RCA

TV/VCR/DVD User's Guide

Changing Entertainment. Again.

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Important Information

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

CAUTION

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

Note:

This DVD player is designed and manufactured to respond to the Region Management Information. If the Region number of a DVD disc does not correspond to the Region number of this DVD player, this DVD player cannot play the disc. The Region number for this DVD player is Region No 1.

CLASS 1 LASER PRODUCT

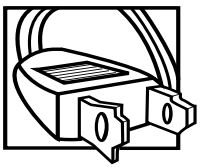
CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying the product.



Caution: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

Attention: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqú au fond.

Refer to the identification/rating label located on the back panel of your product for its proper operating voltage.

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Caution: Using video games or any external accessory with fixed images for extended periods of time can cause them to be permanently imprinted on the picture tube (or projection TV picture tubes). ALSO, some network/program logos, phone numbers, etc. may cause similar damage. This damage is not covered by your warranty.

Cable TV Installer: This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Product Registration

Please fill out the product registration card (packed separately) and return it immediately. Returning the card allows us to contact you if needed.

Product Information

Keep your sales receipt to obtain warranty parts and service and for proof of purchase. Attach it here and record the serial and model numbers in case you need them. These numbers are located on the product.

Model No. _____ Serial No. _____

Purchase Date: _____

Dealer/Address/Phone: _____

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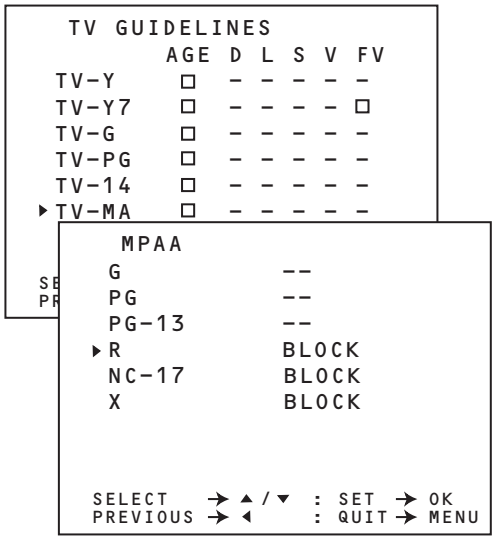
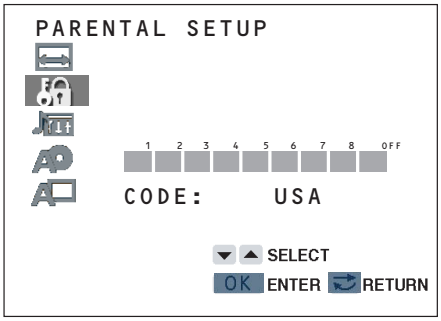
Key Features Overview

Your TV/VCR/DVD is equipped with features that will add to your TV/VCR/DVD viewing experience. The following information summarizes these features. See Chapter 3 for more information about the features and how to use them.





Parental Controls

Description: You can block programs and movies by content, age-based ratings, and/or movie ratings that can be watched on your TV.

Requirements:

- For TV Parental Controls, set up the *TV GUIDELINES* and *MPAA* menus in the TV's main menu (Chapter 3 has details).
- The broadcasters must use the rating system when they send the program to your TV in order for your TV to block the program.
- For DVD Parental Controls, set up the *PARENTAL CONTROL* menu in the DVD's setup menu (instructions on page 61).
- The DVD must be recorded using the rating system for your DVD player to block the program.

Record One Channel While Watching Another

Description: Your TV/VCR/DVD is equipped with double tuners so you can watch one channel on TV while recording another channel on the VCR (instructions on page 18).

Requirements:

- Insert a tape into the VCR.
- Put the TV/VCR/DVD in VCR mode.

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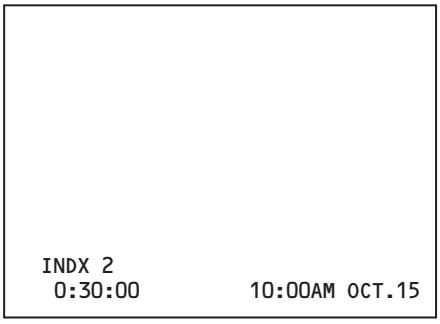
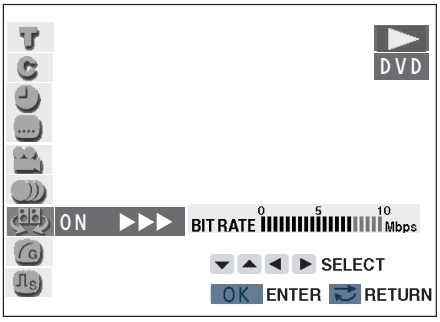


Index Search

Description: Provides a quicker way to find segments of a program on a videotape (instructions on page 41).

Requirements:

- Insert the pre-recorded tape into the VCR.
- Use the INDEX + and - buttons to locate the index mark.



Virtual Dolby (QSURROUND)

Description: This feature adds a surround effect to your audio.

Requirements:

- You must use the LINE OUT AUDIO L and R output jacks.
- Turn Compression off (Chapter 4 has details).

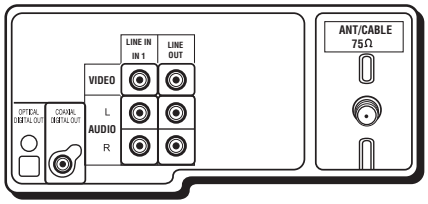
MP3 Audio Disc Playback

Description: Your DVD player can play back compatible MP3 audio files recorded on CD-R or CD-RW discs.

Requirements:

- The discs must be recorded on compatible equipment (Chapter 4 has details).
- The DVD player must be on.

TV/VCR/DVD Back Panel



Digital Output Jacks (DVD Playback Only)

Description: The jacks on the back of your TV/VCR/DVD labeled OPTICAL and COAXIAL DIGITAL OUT can be used to connect a component with digital input jacks (like a dolby surround receiver). Digital output jacks are capable of transferring encoded dolby and provide a cleaner signal.

Requirements:

- The component you are connecting to the TV/VCR/DVD must have digital input jacks.
- It is recommended that the component you are connecting is capable of Dolby Digital decoding for the best sound quality.

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Connections & Setup

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- Turn on the TV/VCR/DVD
- Initial Setup
- VCR Basics
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Things to Consider Before You Connect

Protect Against Power Surges

- Connect all components before you plug any of their power cords into the wall outlet.
- Turn off the TV/VCR/DVD and/or component before you connect or disconnect any cables.
- Make sure all antennas and cables are properly grounded. Refer to the Important Safeguards sheet packed with your TV/VCR/DVD.

Protect Components from Overheating

- Don't block ventilation holes on any of the components. Arrange the components so that air can circulate freely.
- Don't stack components.
- When you place components in a stand, make sure you allow adequate ventilation.
- If you connect an audio receiver or amplifier, place it on the top shelf so the heated air from it won't flow around other components.

Position Cables Properly to Avoid Audio Interference

- Insert each cable firmly into the designated jack.
- If you place components above the TV/VCR/DVD, route all cables down the side of the back of the TV/VCR/DVD instead of straight down the middle.
- If your antenna uses 300-ohm twin lead cables, do not coil the cables. Also, keep the twin lead cables away from audio/video cables.

Important Stand and Base Safety Information

Choose the location for your TV/VCR/DVD carefully. Place the TV/VCR/DVD on a stand or base that is of adequate size and strength to prevent the TV/VCR/DVD from being accidentally tipped over, pushed off, or pulled off. This could cause personal injury and/or damage to the TV/VCR/DVD. Refer to the Important Safeguards sheet packed with your TV/VCR/DVD.

Use Indirect Light

Don't place the TV/VCR/DVD where sunlight or room lighting will be directed toward the screen. Use soft or indirect lighting.

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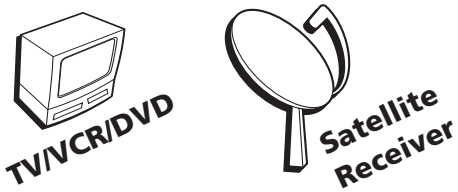
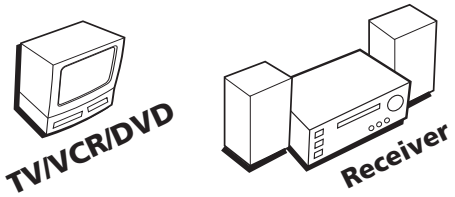
Choose Your Connection

There are several ways to connect your TV/VCR/DVD. Please use the following chart to determine which connection is best for you. Proceed to the appropriate page and connect your TV/VCR/DVD.

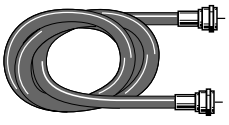
Components	Connection Title	Cables Needed	Go to...
	TV/VCR/DVD Only	• coaxial	page 10
	TV/VCR/DVD + Satellite Receiver	• audio/video • coaxial	page 11
	TV/VCR/DVD + Receiver	• audio left and right • optical digital	page 12

Cables Needed to Connect Components to Your TV/VCR/DVD

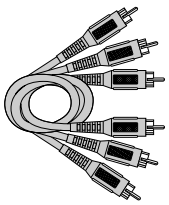
The pictures below show the cables needed for the connections represented in this book.

Notes: Audio/Video cables (A/V cables for short) are usually sold as a bundled set, but the connection picture in this book shows each cable separately for better visibility.

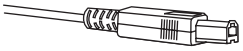
This TV/VCR/DVD's OPTICAL DIGITAL OUT jack fully complies with the international standard governing this type of jack (IEC958), and is designed for connection to a Dolby Digital (AC-3® or PCM) receiver or Dolby Digital (AC-3 or PCM) decoder. Older equipment, some of which is not fully compliant with IEC958, may not be compatible with the Dolby Digital bitstream. Such a connection using anything other than Dolby Digital AC-3 or PCM receiver or decoder could create a high noise level, causing damage to headphones or speakers.



Coaxial cable



Audio/Video cables



Optical Digital cable

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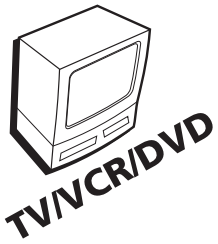

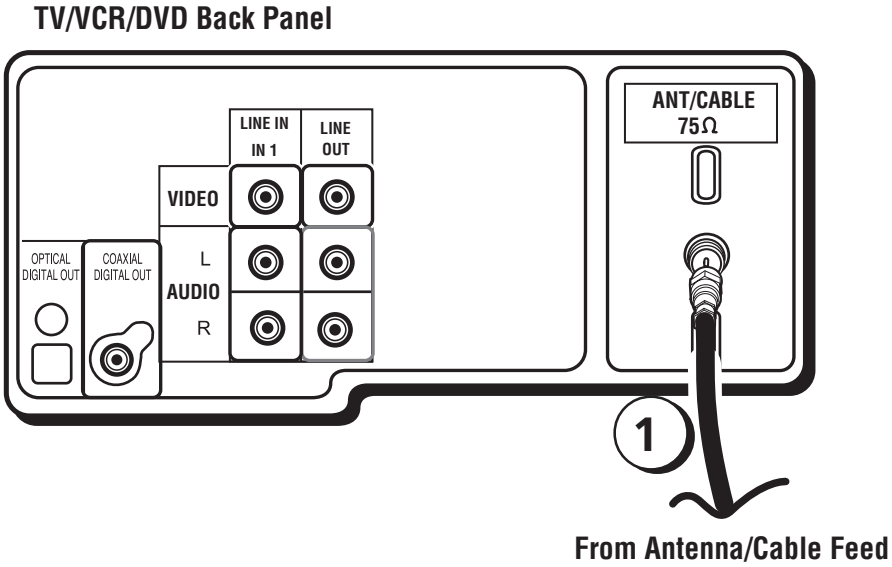

TV/VCR/DVD Only

1. **Connect the antenna/cable feed to the TV/VCR/DVD.**

   Connect the coaxial cable from your cable or antenna to the ANT/CABLE jack on the TV/VCR/DVD.

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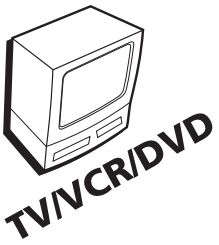

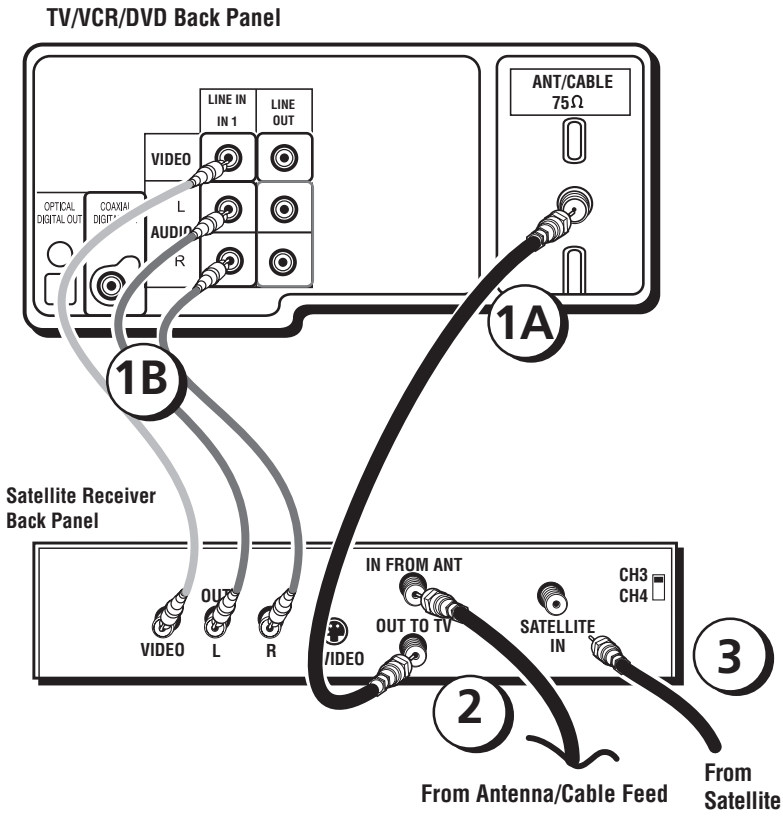

Note: The back of your satellite receiver might not look exactly like the one shown here.

TV/VCR/DVD + Satellite Receiver

1. **Connect the satellite receiver to the TV/VCR/DVD.**

   A. Connect one end of a coaxial cable (not included) to the TV/VCR/DVD's ANT/CABLE jack. Connect the other end to the satellite receiver's Antenna Output jack (sometimes labeled OUT TO TV).

   B. Connect the audio/video cables. Connect audio cables (white and red) to the TV/VCR/DVD's LINE IN/IN 1 AUDIO (L and R) jacks and the other ends to the satellite receiver's corresponding Audio Output jacks. Connect one end of the video cable to the TV/VCR/DVD's LINE IN/IN 1 VIDEO jack, and the other end to the satellite receiver's Video Output jack.

2. **Connect antenna or cable to your satellite receiver.**
   Connect the coaxial cable from your antenna, cable feed, or cable box to the Antenna Input jack on the satellite receiver (sometimes labeled IN FROM ANT).

3. **If necessary, connect the satellite's antenna cable to the satellite receiver.**
   If the coaxial cable from the satellite dish antenna isn't already connected to the satellite receiver's Input jack (sometimes labeled SATELLITE IN), connect it now.

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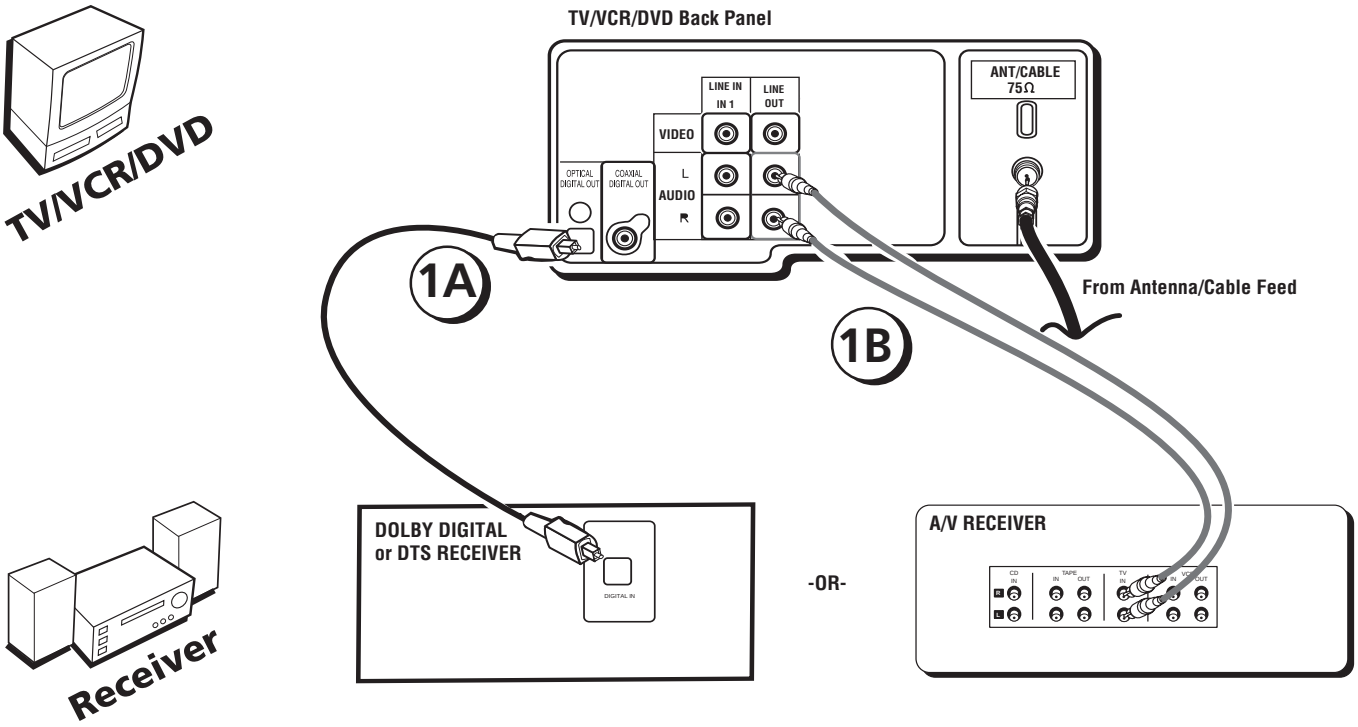

Note: The back of your Dolby Digital* or DTS** receiver might not look exactly like the one shown here.

Dolby Digital® and DTS®

Both Dolby Digital and DTS are audio formats used to record 5.1-channel audio signals onto the digital track of film (while the film is being made). Both of these formats provide up to six separate channels: left, right, center, left rear, right rear, and common subwoofer.

The disc will play 5.1-channel sound only if you've connected a DTS or Dolby Digital receiver or decoder and if the original movie the disc was recorded from was encoded in the Dolby Digital or DTS format.

Please Read this Before Using the OPTICAL DIGITAL OUT Jack!

This TV/VCR/DVD's digital output jack is designed for a connection to a Dolby Digital or DTS receiver or decoder. There are two types of Digital Out jacks on this unit: optical and coaxial. Use the jack (and the corresponding cable) that matches the type of Digital Audio In jack your receiver or decoder has.

Older digital equipment may not be compatible with the Dolby Digital bitstream. Such a connection can create a high level of noise that may be harmful to your ears, and could damage headphones or speakers.

It is important to choose the correct digital output setting in the TV/VCR/DVD's audio menu, especially when you use the OPTICAL DIGITAL OUT jack (Chapter 5 has details).

*Dolby Digital is a trademark of Dolby Laboratories Licensing Corporation

**DTS is a registered trademark of Digital Home Theater Systems, Inc.

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TV/VCR/DVD + Receiver

1A. Connect the Dolby Digital or DTS receiver to the TV/VCR/DVD

If you have a Dolby Digital or DTS receiver with a Digital Input jack, connect an optical digital cable (not provided) into the OPTICAL DIGITAL OUT jack on the TV/VCR/DVD player and to the Digital Input jack on the back of the receiver. You must also set the digital output setting in the DVD setup menu (Chapter 5 has details). Also, check the audio within the DVD Options menu to make sure it is set up correctly (Chapter 4 has details).

Note: The illustration on the left shows a digital optical cable connection. If your receiver has a coaxial Audio In jack, use a shielded (coaxial) video or audio cable with RCA plugs at both ends to connect the coaxial digital jacks on the TV/VCR/DVD and the A/V receiver.

or

1B. Connect the A/V receiver to the TV/VCR/DVD

Connect the A/V cables to an A/V (audio/video) receiver. Connect audio cables to the TV/VCR/DVD's LINE OUT AUDIO (L and R) jacks and the other ends to the receiver's corresponding Audio Input jacks.

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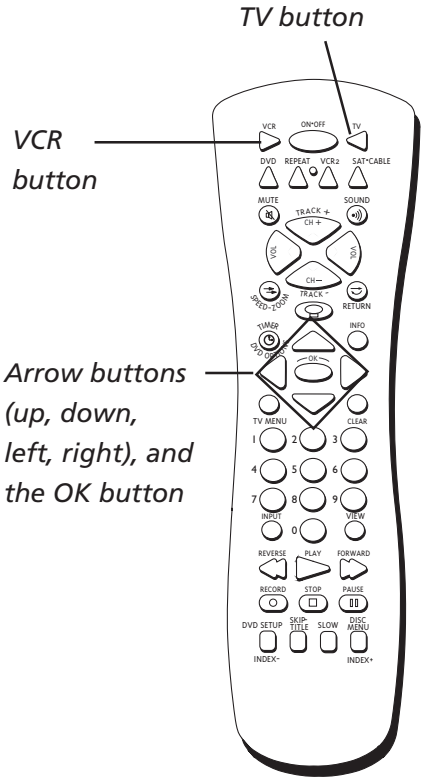
Plug in the TV/VCR/DVD

Plug the end of the power cord into the wall outlet. Match the wide blade of the plug with the wide slot in the outlet. Insert the plug completely into the outlet.

Put Batteries in the Remote

1. Remove the battery compartment cover on the remote.
2. Insert new batteries. Match the polarities (+ and -) on the batteries with the diagram on the remote.
3. Put the battery compartment cover back on the remote.



How to Use the Remote Control to Complete the Initial Setup

The technical term is called “navigation” – how you move through the on-screen menus. The theory is the same throughout the menu screens: highlight your choice and select it.

To highlight (or point to) an item on the screen, press the arrow buttons on the remote (you’ll notice the highlight moves). Use the up or down arrow button to move up or down respectively. Use the left or right arrow buttons to move left or right respectively.

To select an item you’ve highlighted, press the OK button.

Turn on the TV/VCR/DVD

To turn on the TV/VCR/DVD and place it in the TV mode, press the TV button on the remote and then press the ON•OFF button or the POWER button on the front of the unit (the POWER indicator on the front panel lights).

Note: If the screen seems dim, you can turn off the Energy Save feature. Instructions are on page 16.

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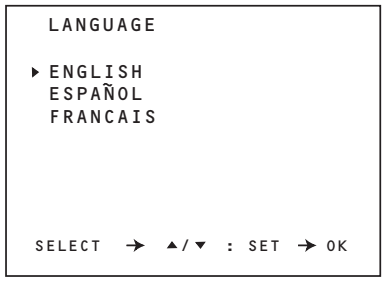
Initial Setup

The first time you turn on your TV/VCR/DVD, you'll be asked to set a few screens so that your TV/VCR/DVD will be set up correctly. Complete the following steps to set up your TV/VCR/DVD.

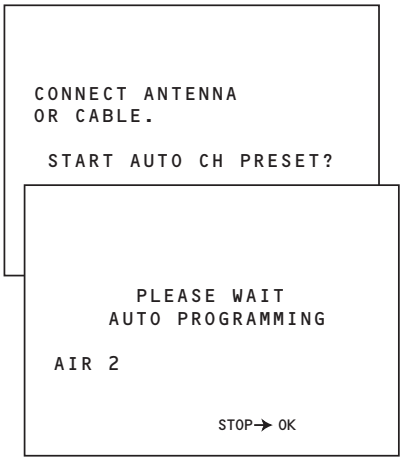


Select a Language

The first time you turn on the TV, the *SELECT LANGUAGE* menu appears on the screen. If you want the TV on-screen menus to appear in English, press the OK button on the remote control. If you want the on-screen menus to appear in a different language, follow these steps.

1. Press the down arrow on the remote to highlight *ESPANOL* (Spanish) or *FRANCAIS* (French).
2. Press OK to select the language.

Note: If you need to change the language later, you can access this menu from the main *MENU* (Chapter 5 has details).



Automatically Searching for Channels

The next part of the initial setup asks you if you want to start *AUTO CH PRESET* (also called auto programming or auto channel search) – this enables the TV/VCR/DVD to search for all of the channels that are viewable through your cable TV connection or off-air antenna.

1. If you've connected your antenna or cable, press the OK button on the remote (auto programming starts).

When the search is complete the TV/VCR/DVD automatically tunes to the first channel in the channel list.

Note: If the clock set screen appears, you can set the clock now or later (Chapter 5 has details).

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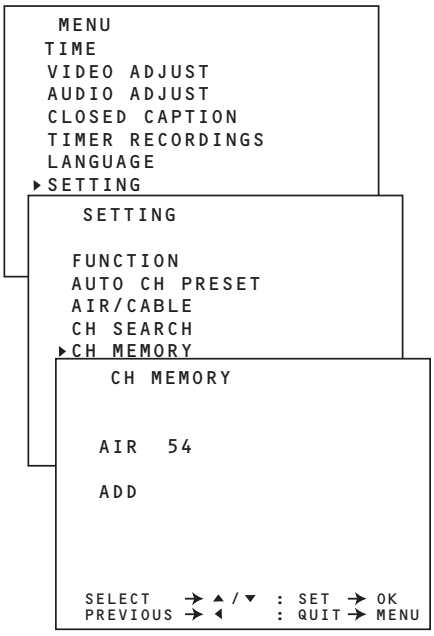
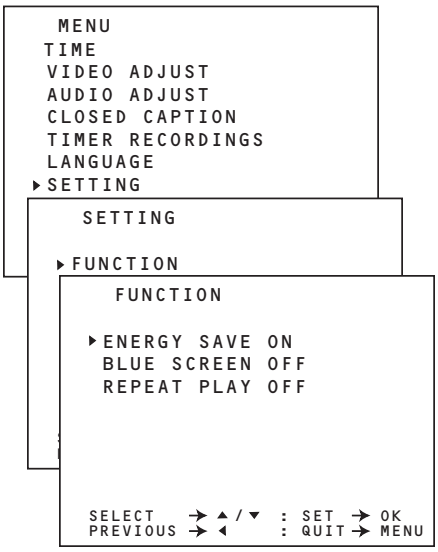


Add or Erase Channels

You might want to add or erase some channels if they're inactive, have weak signals, or you don't want them in your channel list. The channel list is the list of channels the TV tunes to when you press the channel up and/or channel down buttons.

Note: Even if you erase a channel, you can still tune to it by pressing the number buttons on the remote control.

1. Press TV MENU on the remote (the main *MENU* appears).
2. Press the down arrow button to highlight *SETTING*.
3. Press OK (the *SETTING* menu appears).
4. Press the down arrow button to highlight *CH MEMORY*.
5. Press OK (the *CH MEMORY* menu appears). Follow the on-screen directions to *ADD* or *ERASE* a channel.
6. You can add or erase more channels by entering the channel number or pressing CH + or CH –.



Turn the Energy Save Feature Off

This feature reduces the brightness of the picture, lowering the power consumption of your TV/VCR/DVD by approximately 20 percent. To turn off the *ENERGY SAVE* feature:

1. Press TV MENU (the main *MENU* appears).
2. Press the up arrow button to highlight *SETTING* and press OK. The *SETTING* menu appears with *FUNCTION* highlighted. Press OK.
3. The *FUNCTION* menu appears with *ENERGY SAVE* highlighted. Press OK (*ON* flashes).
4. Press the down arrow to change to *OFF,* then press OK.
5. Press TV MENU to exit.

Next Steps

Now that you've finished the initial setup for your product, you have several options- watch TV, play a disc, play a tape, or record a program. The rest of this chapter provides basic information for recording, playing tapes, and playing discs. For more detailed information about the TV/VCR/DVD's features, go to Chapter 3. To learn more about the remote control that came with this product, go to Chapter 2.

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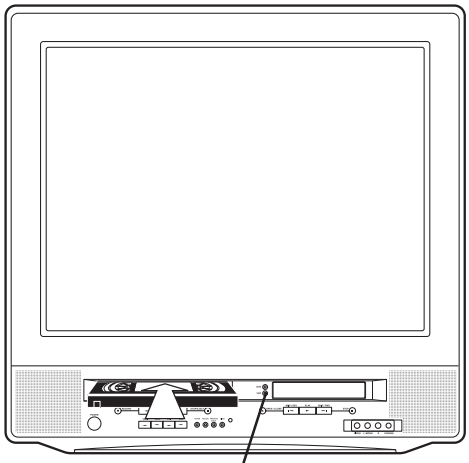
VCR Basics

Now that you've finished the initial setup, you can watch TV or start using the VCR part of your product.



Playing a Tape

1. Insert a tape in the VCR (the VCR turns on automatically and the VCR indicator lights on the front panel).

   If the safety tab on the videotape is removed, the tape automatically begins playback.

2. Press the VCR button on the remote to put the remote in VCR mode.
   - Press FORWARD or REVERSE on the remote to advance the tape forwards or backwards respectively.
   - Press PLAY (if necessary) to begin playing the tape.
   - Press PAUSE for stop action.
   - Press TRACK + or - on the remote to remove any streaks from the picture, if necessary.
   - Press STOP to stop playing the tape.
   - Press STOP/EJECT on the TV/VCR/DVD when the tape is stopped to eject the tape.

Automatic Rewind

The VCR automatically rewinds the tape when it reaches the end of the tape during playback. While rewinding, you can press the ON•OFF button on the remote and the VCR ejects the tape and turns off after rewinding.

Basic Recording

1. Insert a videotape, with its safety tab in place, into the TV/VCR/DVD.

   Note: You can't record on a tape with the safety tab removed. If the safety tab is removed and you want to record on the tape, simply cover the hole with adhesive tape.

2. Make sure the remote is in VCR mode by pressing the VCR button.
3. Press RECORD to begin recording. The RECORD indicator on the front panel lights.
4. Press STOP when you want to stop recording.

   If you want to pause the recording for a short time (such as during a commercial), press PAUSE instead of STOP.

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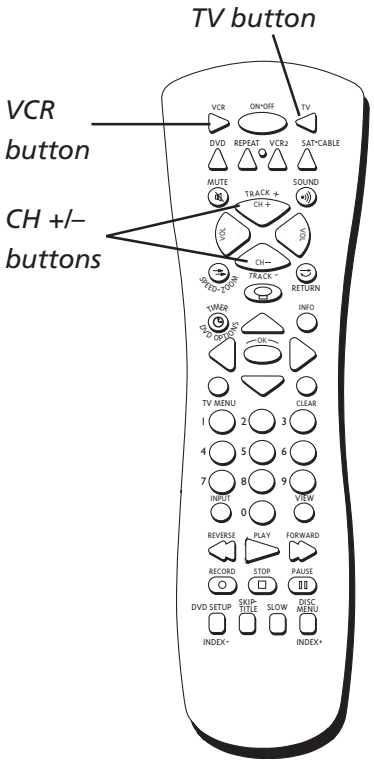

Recording One Channel While Watching Another

1. Insert a videotape, with its safety tab in place, into the VCR.

   Note: You can't record on a tape with the safety tab removed. If the safety tab is removed and you want to record on the tape, simply cover the hole with adhesive tape.

2. Make sure the remote is in VCR mode by pressing the VCR button.

3. Use the CH +/– buttons to select the channel you want to record and press the RECORD button to begin recording. The RECORD indicator on the front panel lights.

4. Press TV (the VCR indicator turns off) and then press VIEW to switch to the TV. Use the CH +/– buttons to tune to the channel you want to watch.

   Note: If you want to review what the VCR is recording, press VIEW (the VCR indicator lights) and the TV/VCR/DVD tunes to what the VCR is recording.

5. Press STOP when you want to stop recording.

   Note: If you want to pause the recording for a short time (such as during a commercial), press PAUSE instead of STOP.

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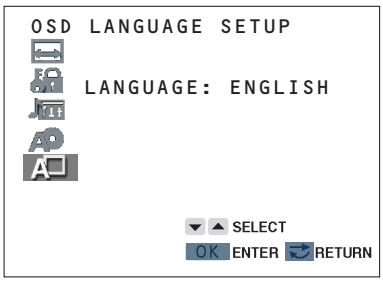
DVD Basics

The first time you turn on the DVD player, press the DVD SETUP button while the player is stopped. The *OSD LANGUAGE SETUP* screen appears on the TV screen.



Set the Menu Language

By default, the DVD's on-screen displays are shown in English. If you want the on-screen menus to appear in English, press OK on the remote.

To change the language:

1. Press the down arrow button on the remote until the appropriate language is highlighted.
2. Press OK on the remote.

   This screen sets all language preferences for on-screen displays to the same language. You can use the DVD setup menu to set individual language preferences (Chapter 5 has details).

   Note: If the TV screen seems dim, turn off the Energy Save feature (Chapter 5 has details).

Regional Coding

Both the DVD player and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes don't match, the disc won't play. This player's code is Region 1.

Using Different Menus

Each disc is programmed with different features. There are three separate menu paths that you can use to access features: Remember that a feature will only work if the disc was programmed with that feature.

- **The Disc menu** – The disc menu is part of each disc and is separate from the DVD player's menus. The contents of each disc menu varies according to how the disc was authored and what features are included. The disc menu is turned on and off (while the disc is playing) with the DISC MENU button on the remote.
- **The DVD's Options menu** – The options menu appears as icons down the side of the screen when a disc is playing. It shows you the current settings, lets you adjust the settings, and gives you direct access via title, chapter, or time location. This menu is available when a disc is playing. Press the DVD OPTIONS button on the remote to display and remove this menu.
- **The DVD's Setup menu** – The setup menu lets you set up several features of the DVD player for your personal preferences. This menu is accessed only when the DVD player is stopped. Press the DVD SETUP button on the remote to display and remove this menu.

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Loading and Playing Discs

Your DVD player plays DVD discs (3" and 5" discs), audio CD discs (3" and 5" discs), and CD-R/CD-RW discs recorded in MP3 format or audio format (3" and 5" discs). On CD-G and CD-EXTRA discs, only the sound can be played (no images). Before you load a disc, make sure that it is compatible with the player. The following discs CANNOT be used with this player:

- Laserdiscs
- Photo CD, CD-I, DVD-ROM, DVD-R, DVD-RW, DVD-Audio, SACD and CD-ROM
- Discs recorded using other broadcast standards (i.e. PAL or SECAM)
- Discs with unusual shapes (heart or hexagonal)

This is an example of a one-sided disc.

This is an example of a 2-sided disc. The title is in the center.

To Load and Play a Disc

1. Press the OPEN/CLOSE button on the front of the DVD player. The disc tray opens.
2. Place a disc gently into the tray with the disc's label facing up (double-sided discs have content on both sides, so you can place either side up).
3. Press the OPEN/CLOSE button. The disc tray closes.
4. Press the DVD button on the remote control. Then press PLAY on the front of the DVD player or on the remote.

   The DVD player reads the disc's table of contents, and then one of two things happens depending on how the disc was programmed:

   - The disc starts playing.
   - The disc menu appears on the screen. One of the options will start disc play. Highlight that option and press OK on the remote.

When you stop playing a disc, the player remembers where you stopped. When you start playing the disc again, the DVD player picks up where you left off unless the disc is removed, the player is unplugged, or you pressed the STOP button twice.

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Using a Disc Menu

Some discs have an on-screen menu that is separate from the DVD player's menus. The disc menu might only contain a list of the titles and chapters or it may allow you to change features such as language and playback settings. Although the content and operation of disc menus vary from disc-to-disc, the following example gives you an idea of what to expect.

Tip

Many discs skip the disc menu and start playing automatically. To access the disc menu when you're playing a disc, press DISC MENU on the remote.

An example of a disc menu. The menus on discs vary because the disc menu is created by the disc's author.

1. While the disc is playing, press DISC MENU on the remote. The disc menu appears.

In this example, The *Language* setting is highlighted. To see the language options, press OK on the remote.

2. Press the up and down arrow buttons to highlight the section of the disc menu you want to choose, and press OK on the remote. In the example on the left, *Language* has been selected.

In this example, English is highlighted. Press OK on the remote to play the disc with English dialog.

3. Press the up and down arrows to select a language, and press OK on the remote.
4. Press DISC MENU on the remote to resume playback.

Note: Any settings you change on the disc menu only override the settings in the DVD player's menu temporarily. Default settings are set up in the DVD player's menu system. To change the default settings, go to Chapter 5.

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Using the On-Screen Options Menu

The on-screen Options Menu contains many playback features. Press the DVD OPTIONS button on the remote while a disc is playing. Each feature is illustrated with an icon. Use the up or down arrow button on the remote to highlight the icon.

Note: Either up or down arrow button allows you to highlight an icon. Depending where the icon is located on-screen, one button might be quicker to access the icon than the other.

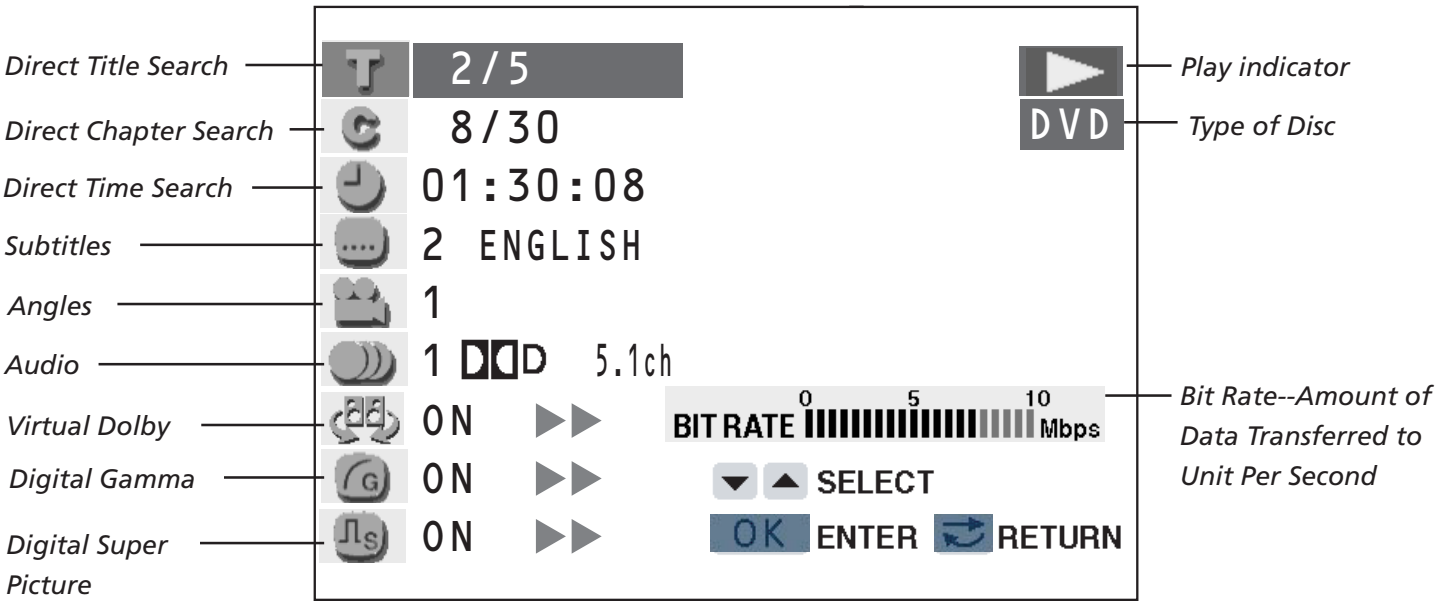
When an icon is highlighted, press OK on the remote. Use the up or down arrow button to display other options if they are available, and press the OK button to select the highlighted option.

To return to a previous screen, press the RETURN button on the remote.

Remember, you can only access the options menu when you are playing a disc. An option is only available if the disc was created with that particular feature (i.e., if you select the subtitle icon, you won't be able to change the subtitle unless the disc was created with subtitles).

The invalid symbol ⃠ appears on the screen when you press a button that doesn't have any function. Press STOP or DVD OPTIONS on the remote to remove the screen.

Note: Chapter 4 has details about playing DVDs, Audio CDs, and MP3s.



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Using the Remote Control

Chapter Overview:

- The Buttons on the Remote Control
- Programming the Remote to Operate Other Components
- How to Use the Remote After You've Programmed It
- How to Order a New Remote Control
- Code List

Changing Entertainment. Again.

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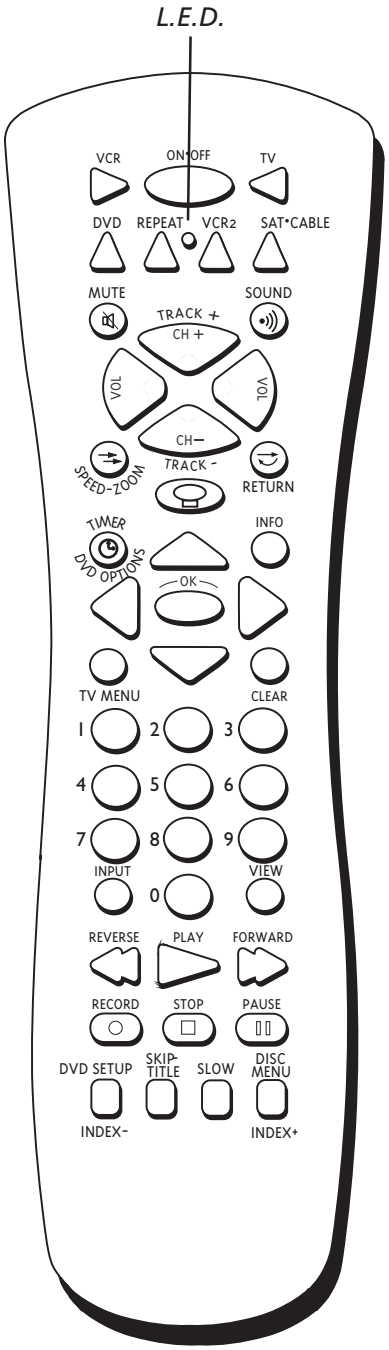
The Buttons on the Remote Control

Your backlit remote has a light button that glows in the dark. Press this button to light the channel up and channel down (CH +/–), volume up and down (VOL </>), MUTE, SOUND, SPEED-ZOOM, RETURN and the backlight buttons. If you don't press any buttons for several seconds, the light turns off to conserve battery power.



Component Buttons

DVD button Use this button to set the remote to operate the DVD player.

SAT•CABLE button Use this button to set the remote to operate the receiver or cable box. Used with ON•OFF button to turn on some brands of receivers or cable boxes.

TV button Use this button to set the remote to operate the TV.

VCR button Use this button to set the remote to operate the VCR.

VCR2 button Use this button to set the remote to operate a second VCR.

TV and VCR Function Buttons

Press TV to put the remote in the TV mode. Press VCR to put the remote in VCR mode.

0-9 (Number buttons) Enter channel numbers directly through the remote. To enter a 2-digit channel, press the two digits. To enter a 3-digit channel, press and hold the first digit until two dashes appear on the screen (to the right of the first number), then add the next two digits. Example: to tune to channel 123, press and hold 1 until 1– – appears, press 2, then press 3. Also use the number buttons to enter your password for Parental Controls.

Arrow buttons (up, down, right, and left) Press the arrow buttons to move through the on-screen menus. You highlight a menu item by pressing the arrow buttons. You select a highlighted item by pressing the OK button.

CH (+ and –) buttons Scan up or down through stored channels. Press once to change the channel up or down; press and hold to continue changing channels.

CLEAR Resets the time counter on the VCR.

FORWARD (fast forward) Fast forwards the tape when the TV/VCR is stopped. Also searches the picture in forward motion during playback. The remote must be in VCR mode.

INDEX (+ and –) buttons Searches for recorded index marks. The remote must be in VCR mode.

INFO Displays current status. Displays time counter and time-remaining display when a tape is inserted. Press again to remove information on-screen.

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INPUT Repeatedly press to select tuner or line inputs (*LINE1* for the rear LINE IN/IN1 jacks, *LINE2* for the front VIDEO, L/MONO, R jacks, or *DVD*). If you are watching TV, press INPUT to tune to the VCR and play a tape.

L.E.D. (light-emitting diode) The little light on the remote that lights when you are programming the remote. It also lights when you press a valid button on the remote.

MUTE Lowers the volume to its minimum level and automatically turns on closed-captioning. Press again to restore volume and turn off closed-captioning.

OK Selects a highlighted menu feature.

ON•OFF Turns the TV/VCR/DVD on and off.

PAUSE Pauses the tape during playback. Press again to advance tape one frame. Also pauses the tape during recording to prevent recording of unwanted scenes. The remote must be in VCR mode.

PLAY Plays a tape. Starts normal playback from pause, frame advance, or slow motion. The remote must be in VCR mode.

RECORD Starts VCR recording. The remote must be in VCR mode.

RETURN Returns you to the previous channel. Removes on-screen menus.

REVERSE Rewinds when the tape is stopped. Also searches the picture in reverse during playback. The remote must be in VCR mode.

SKIP-TITLE Press once before changing channels and the TV will wait 30 seconds before returning you to the original channel. Press repeatedly to add more time.

SLOW Press to start slow-motion during playback. The remote must be in VCR mode.

SOUND Press to select stereo, SAP, or mono audio.

SPEED-ZOOM Use to select tape speed. The remote must be in VCR mode.

STOP When the remote is in VCR mode, stops the following: record, play, rewind, fast forward, and pause.

TIMER Press to set timer recording. Press to operate TV/VCR when timer recording is set (the PROGRAM EVENT indicator on the front panel lights). Press again to reset timer recording.

TRACK + / – buttons Reduces streaks which may appear on the picture during regular or slow-motion playback. Reduces picture "jitter" during stop-action (paused) playback. The remote must be in VCR mode.

TV MENU Displays the TV's main *MENU*.

VOL < and > buttons Decrease or increase the volume.

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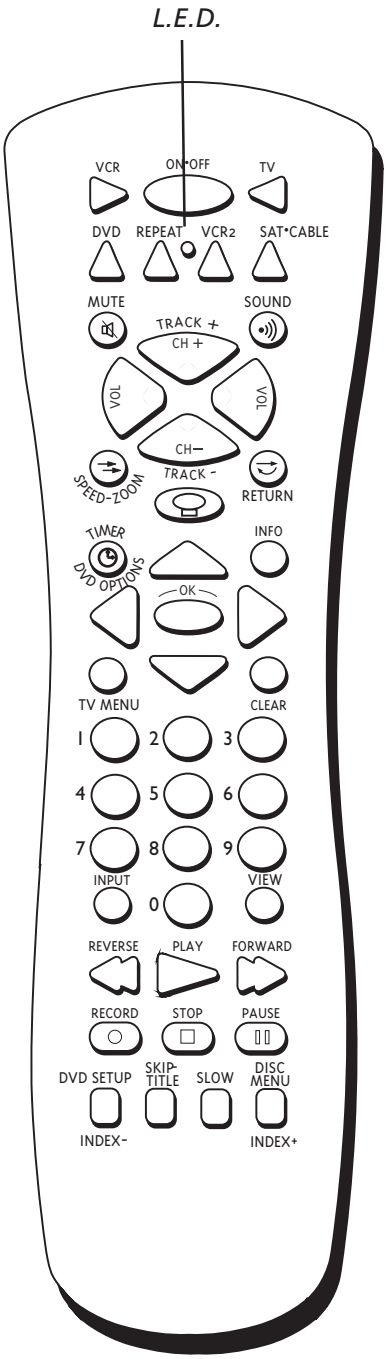

DVD Player Function Buttons

Press DVD to place the remote in the DVD mode when playing DVDs, CDs or MP3s. The function of the button varies with the type and content of the disc played.

0-9 (Number buttons) Use to directly input information such as chapter numbers, track numbers, and time.

Arrow buttons Use the arrow buttons (left, right, up, and down) to move through on-screen menus. You highlight a menu item by pressing the arrow buttons. You select a highlighted item by pressing the OK button.

CH +/– buttons CH + advances to the next chapter or track. CH – reverses to the preceding chapter or track.

CLEAR Allows you to clear information you've entered on-screen, such as the time.

DISC MENU Allows you to see the menus and other options that are available on the current disc (if the disc contains this information).

DVD OPTIONS Press this button to display the DVD's Option menu when you're playing a disc.

DVD SETUP Press this button while playback is stopped to display the DVD Setup menu.

FORWARD Allows you to search forward through a disc while it is in play mode. Repeatedly press to increase speed.

INFO Press this button while you're playing a disc to see the title, chapter, and time information. The info display contains various playback features and gives you information about the disc you're playing (if necessary, press again to remove information on-screen).

L.E.D. (light-emitting diode) The little light on the remote that lights when you are programming the remote. It also lights when you press a valid button on the remote.

PAUSE Pauses disc play. When disc play is paused, press PLAY to resume playback.

PLAY Begins disc play (and closes disc tray if it is open).

OK Press this button to select a highlighted menu item.

ON•OFF Turns the TV/VCR/DVD on and off.

REPEAT Allows you repeat certain discs, chapters, or tracks depending upon the type and content on the disc.

RETURN Use to return to the preceding menu screen. Lets you go back ten seconds to see/hear missed content when watching or listening to some DVD discs.

REVERSE Allows you to search backward through a disc while it is in play mode (or slow speed search in pause mode).

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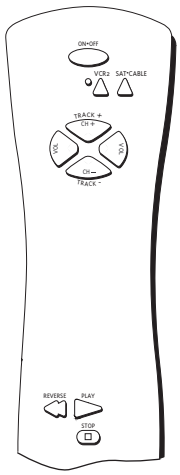
SOUND Use this button to display available audio for the type of disc that is playing.

SPEED-ZOOM Use to zoom in on the picture when playing DVD discs.

STOP Stops disc play.

SKIP-TITLE Allows you to see the title and other options available on the current disc (if the disc contains the options).

VIEW Allows you to switch to a TV program or a recording channel, if you are recording.



You'll use these buttons when you program the remote to operate another component.

Important: The remote might not operate all models of all brands. The remote buttons also might operate differently for other components, especially when you're using their menu system.

Programming the Remote to Operate Other Components

The universal remote control can be programmed to operate most brands of remote controllable VCRs, satellite receivers and cable boxes. The remote is already programmed to operate most RCA, GE and Proscan VCRs and satellite receivers.

Note: The TV, VCR, and DVD buttons cannot be programmed.

Find Out If You Need to Program the Remote

To determine whether the universal remote needs to be programmed, turn a component ON, such as a VCR, point the remote at the VCR, and press the VCR2 button. Then press ON•OFF or channel up or channel down to see if the VCR responds to the remote commands. If not, the remote needs to be programmed.

How to Program the Remote

There are two ways to program the remote control: automatic code search and direct entry. Instructions for both ways follow.

Using Automatic Code Search

1. Turn on the component you want the remote to operate (VCR or satellite receiver).
2. Press and hold the component button on the remote that corresponds to the component you want the remote to operate (VCR2 or SAT•CABLE). While you hold down the component button, press and hold ON•OFF (when the light below the ON•OFF button on the remote turns on, release both buttons).

Tip

To stop the automatic code search without programming any components, press and hold CLEAR until the light on the remote turns off.

(Steps continued on next page)

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3. Press PLAY (the light on the remote starts flashing).

   The remote is searching the first set of component codes (there are 20 sets of codes). If the component you want to operate doesn't turn off automatically after 5 seconds, press PLAY again (the light starts flashing again as the remote searches through the next set of codes).

   Continue pressing PLAY until the component turns off.

   Note: If the component doesn't turn off after you've pressed the PLAY button 20 times, the component can't be programmed.
4. Press REVERSE, wait 2 seconds. Repeat this step until the component turns back on.
5. To finish, press and hold the STOP button until the light on the remote turns off.

Using Direct Entry

1. Turn on the component you want the remote to operate.
2. Look up the brand and code number(s) for the component on the code list on the next page.
3. Press and hold the component button (VCR2 or SAT•CABLE) that corresponds to the component you want the remote to operate.
4. Enter the code from the code list on the next page.
5. Release the component button.
6. Press ON•OFF to see if the component responds to the remote commands. If it doesn't, try pressing the component button and then ON•OFF again.
   - If you get no response, repeat these steps using the next code listed for your brand, until the component responds to the remote commands.
   - If you try all the codes for your component brand and none work, try the automatic code search method. If automatic code search doesn't find the code, the remote is not compatible with your component.

Important

You must continue pressing the component button while you enter the code.

How to Use the Remote After You've Programmed It

Once the remote has been programmed successfully, you are ready to use it to control your components. To operate the component:

1. Press the component button (VCR2 or SAT•CABLE) to set the remote to control the component.
2. Press ON•OFF to turn the component ON or OFF.
3. Use the remote buttons that apply to that component.

   Notes: If you keep pressing buttons and nothing happens, the remote is probably in the wrong mode. You must press the component button that matches the component you want to operate (i.e., if you want to operate the satellite receiver, press SAT•CABLE on the remote to put it in the satellite receiver mode).

   The other remote buttons may operate differently for other components, especially when you're using their menu systems.

How to Order A New Remote Control

To order a new remote control or other accessories to use with your TV/VCR/DVD, go to Accessories in Chapter 6.

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Code List

VCR

Admiral 2131
Adventura 2026
Aiko 2027
Aiwa 2002, 2026
Akai 2003, 2004, 2005, 2007, 2008, 2111,2112, 2113
American High 2021
Asha 2013
Audio Dynamics 2009, 2010
Audiovox 2014
Bell & Howell 2011
Beaumark 2013
Broksonic 2012, 2025
Calix 2014
Candle 2013, 2014, 2015, 2016, 2017, 2018, 2019
Canon 2021, 2022, 2114
Capehart 2020, 2110
Carver 2062
CCE 2027, 2061
Citizen 2013, 2014, 2015, 2016, 2017, 2018,2019,2027
Colortyme 2009
Colt 2061
Craig 2013, 2014, 2023, 2061
Curtis-Mathes ..... 2000, 2002, 2009, 2013, ... 2016, 2018, 2021, 2022, 2024, 2115
Cybernex 2013
Daewoo ... 2015, 2017, 2019,2025, 2026, 2027, 2028, 2110
Daytron 2110
Dbx 2009, 2010
Dimensia 2000
Dynatech 2002, 2026
Electrohome 2014, 2029
Electrophonic 2014
Emerson ..... 2002, 2012,2014, ... 2015, 2021, 2024, 2025,2026,2029, 2030, 2032, ... 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, ... 2042, 2044, 2045, 2047, 2065, 2105, 2113, 2116, 2117, 2130
Fisher 2011, 2023, 2048, 2049, 2050, 2051, 2052,2118
Fuji 2021, 2119
Funai 2002, 2026
Garrard 2026
GE 2000, 2001, 2013, 2021, 2022, 2053, 2115, 2120
Goldstar 2009, 2014, 2018, 2054, 2121
Gradiente 2026
Harley Davidson 2026
Harman Kardon 2009
Harwood 2061
Headquarter 2011
Hitachi ... 2002, 2055, 2056, 2057, 2107, 2111, 2120, 2122
HI-Q 2023
Instant Replay 2021
JCL 2021
JC Penney ..... 2009, 2010, 2011, 2013, 2014, 2021, ... 2022, 2055, 2056, 2058, 2059, 2060, 2107, 2118
Jensen 2055, 2056, 2111
JVC 2009, 2010, 2011, 2018, 2058, 2111, 2123
Kenwood . 2009, 2010, 2011, 2016, 2018, 2058, 2111,2123
KLH 2061
Kodak 2014, 2021
Lloyd 2002, 2026
Logik 2061
LXI 2014
Magnavox 2021, 2022, 2062, 2063, 2104, 2108, 2124
Magnin 2013
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Pulsar 2104
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Chapter 3

Using the TV/VCR/DVD's Features

Chapter Overview:

- Parental Controls and V-Chip
- Recording Features
- Picture Search Options
- Audio Features
- Disc Playback Features Using the Remote

Changing Entertainment. Again.

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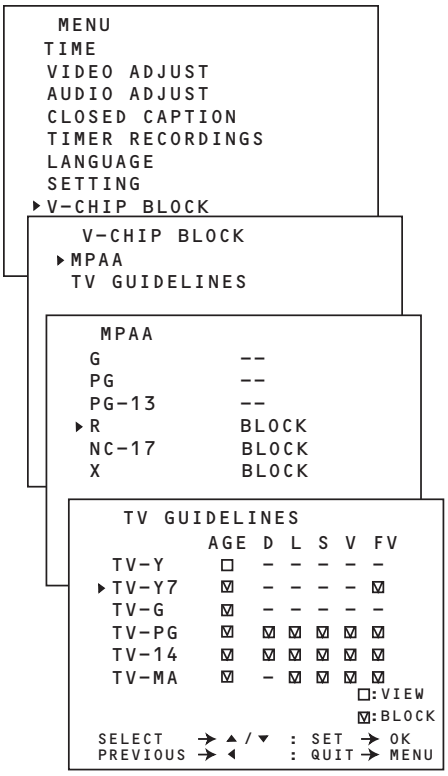

Parental Controls and V-Chip

The *V-CHIP BLOCK* feature allows you to program your TV so that children can't see certain programs or channels. By default, this feature is turned off.

- *TV GUIDELINES* menu allows you to block TV programs based on age, violence, sex, or other content you don't want your children to view.
- *MPAA* menu allows you to block movies and TV programs according to the MPAA (Motion Pictures Association of America) ratings system.

You block and unblock programs by turning the V-Chip feature on or off in the *V-CHIP BLOCK* menu, and using the password you create. Be sure to remember your password.

How V-Chip Works

When the V-Chip software is activated (or turned on), it reads a code that most broadcasters send with programs. That code tells the software the program's age-based rating (TV-MA, TV-14, etc.) and content themes [(Violence (V), Adult Language (L), etc.)]. If you have blocked the rating and/or content themes that the program contains, a message appears and the channel won't be available for viewing.

Broadcasters aren't required to provide content themes, so programs that aren't tagged with a content theme can only be blocked if you block their age-based rating.

The TV age-based ratings and content themes and MPAA ratings are listed on the following pages.

New Rating Systems

The TV allows you to download additional new rating systems. If you watch a program with the new system, you can download the new V-Chip data for that program.

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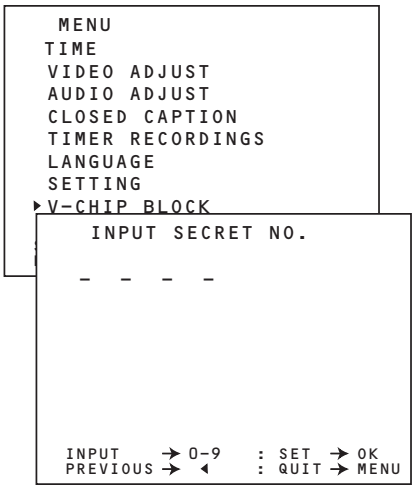
Age-Based Rating	Description and Content Themes for Age-Based Ratings
TV-MA	**Mature Audience Only**. Specifically designed to be viewed by adults and may be unsuitable for children under 17. It contains one or more of the following content themes: crude indecent language (L), explicit sexual activity (S), or graphic violence (V).
TV-14	**Parents Strongly Cautioned**. Contains some material that many parents would find unsuitable for children under 14. Parents are strongly urged to exercise greater care in monitoring this program and are cautioned against letting children under the age of 14 watch unattended. This program contains one or more of the following content themes: intensely suggestive dialogue (D), strong coarse language (L), intense sexual situations (S), or intense violence (V).
TV-PG	**Parental Guidance Suggested**. Contains material that parents may find unsuitable for younger children. Many parents may want to watch it with their younger children. The program contains one or more of the following content themes: some suggestive dialogue (D), infrequent coarse language (L), some sexual situations (S), or moderate violence (V).
TV-G	**General Audience**. Most parents would find this program suitable for all ages. It contains little or no sexual dialogue (D) or situations (S), no strong language (L), and little or no violence (V).
TV-Y7	**Directed to Children 7 years and older**. Designed for children ages 7 and above. It may be more appropriate for children who have acquired the developmental skills needed to distinguish between make-believe and reality. Themes and elements in this program may include mild fantasy violence (FV) or comedic violence, or may frighten children under the age of 7.
TV-Y	**All Children**. Themes and elements in this program are designed for a young audience, including children from ages 2-6. It is not expected to frighten younger children.



TV Guidelines Rating Limit

The *TV GUIDELINES* menu lets you decide which TV programs can and can't be viewed according to age and/or content.

To set TV Guidelines:

1. Press TV MENU on the remote (the main *MENU* appears).
2. Press the up or down arrow until *V-CHIP BLOCK* is highlighted and press OK (*INPUT SECRET NO.* appears).
3. Use the number buttons (0-9) on the remote to enter a number and press OK. Repeat entering numbers until you have entered four numbers.

   Notes: Remember your number. If you've entered a number previously, enter that same number.

   If you forget your password, unplug the TV/VCR/DVD. Press and hold both the VOL up and STOP/EJECT buttons on the front panel while you plug in the TV/VCR/DVD. Release the buttons after approximately 2 seconds. This resets the password.
4. The *V-CHIP BLOCK* menu appears. Use the down arrow to select *TV GUIDELINES* and press OK (the *TV GUIDELINES* menu appears).

(Steps continued on next page)

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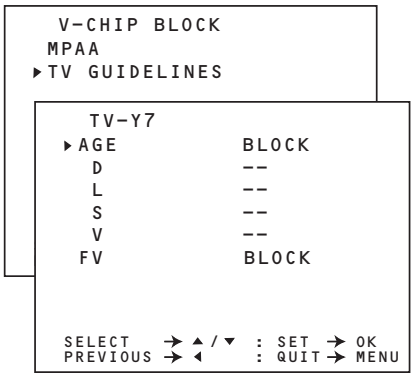


5. Press the up or down arrow buttons to select the age-based rating or its contents that you want to block, and press the OK button.

   Note: All higher ratings and contents are automatically blocked.

6. When the desired rating screen appears, press the up or down arrow buttons and OK button to *BLOCK* or unblock (– –) the age rating and any content rating you are allowed to set.

7. Press the left arrow button to return to the *TV GUIDELINES* menu or press MENU to exit.

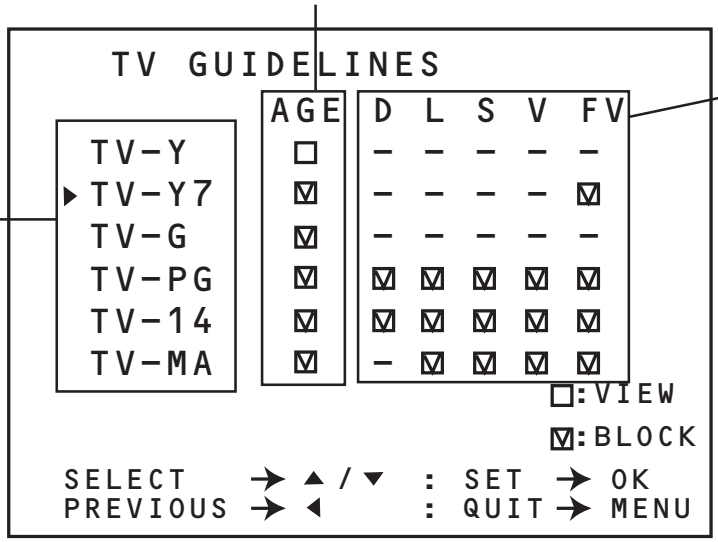
   Note: The illustration below shows the *TV GUIDELINES* menu with the various fields described.

Tip

When you change the status of a rating to Block, the system automatically blocks higher ratings and all corresponding content themes.

Rating Status Field

Shows you whether the status of the age-based rating limit to the left is *VIEW* (no check) or *BLOCK* (checked)..



Rating Field

Lets you select from a list of age-based ratings you can block or view.

Content Themes

Lists the content themes you can block or view.

Shows distinction between content ratings that can be set (square) and content ratings that cannot be set (–) because they are not broadcast.

Lets you view whether the status of the content theme is currently *VIEW* (no check) or *BLOCK* (checked).

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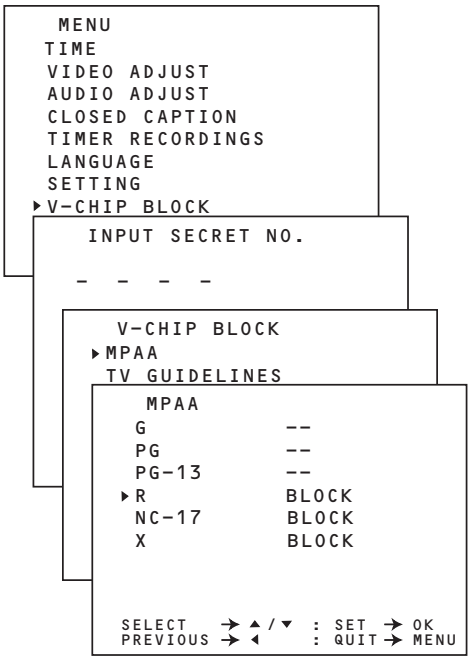
MPAA Rating Limit

The *MPAA* menu lets you decide which movies can and can't be viewed according to the age-based rating of the MPAA. The TV/VCR/DVD locks and unlocks the parental control settings using a password you select.

If you only want your child to watch movies that have a PG rating and lower (in other words, movies rated PG and G), then you could automatically block out all other movies with higher ratings.



1. Press TV MENU on the remote to display the main *MENU*.
2. Use the up or down arrow to select *V-CHIP BLOCK* and press OK on the remote.
3. The *INPUT SECRET NO.* menu appears. Use number buttons (0-9) to enter a number and press OK. Repeat entering numbers until you have entered four numbers.

   Notes: Be sure to remember your number. If you have entered a number previously, enter that same number.

   If you forget your password, unplug the TV/VCR/DVD. Press and hold both the VOL up and STOP/EJECT buttons on the front panel while you plug in the TV/VCR/DVD. Release the buttons after approximately two seconds. This resets the password.
4. The *V-CHIP BLOCK* menu appears. Use the down arrow to select *MPAA* and press OK (*MPAA* menu appears).
5. Use the up or down arrow to select the age-based rating that you want to block, and press the OK button.
6. Use the up or down arrow to select *BLOCK* or unblock (– –) for that rating and press OK.

   Note: All higher ratings are automatically blocked. For example, if you block R, NC-17 and X are also blocked.
7. Press TV MENU to exit.

Age-Based Rating	Description for MPAA Age-Based Ratings
X	**An Older Rating**. Encoded on older movies. Same as NC-17.
NC-17	**No one 17 and Under Admitted**.
R	**Restricted**. Under 17 requires accompanying parent or adult guardian.
PG-13	**Parents Strongly Cautioned**. Some material may be inappropriate for children under 13.
PG	**Parental Guidance Suggested.** Some material may not be suitable for children.
G	**General Audience**. All ages admitted.

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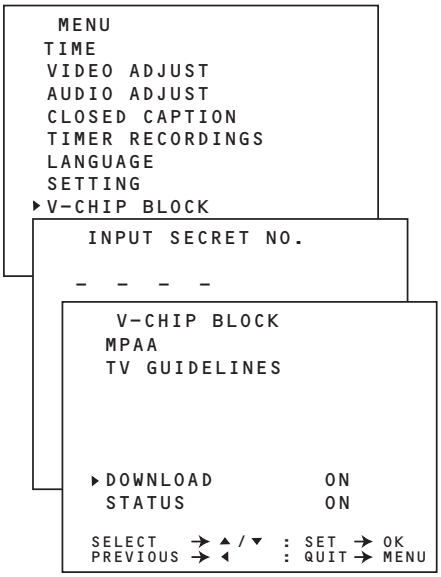


Download New Rating System

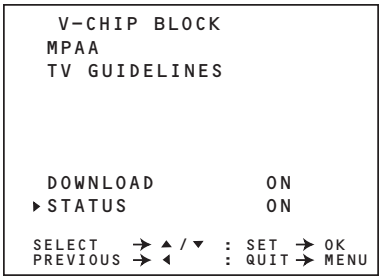
You can choose to download additional new rating systems. The new rating system is automatically set according to the ratings you have previously chosen.

1. Press TV MENU on the remote (the main *MENU* appears).
2. Press the up or down arrow button to select *V-CHIP BLOCK* and press OK (*INPUT SECRET NO.* menu appears).
3. Use the number buttons to enter a number and press OK. Repeat entering numbers until you have entered 4 numbers.

   Notes: Be sure to remember your number. If you have entered a number previously, enter that same number.

   If you forget your password, unplug the TV/VCR/DVD. Press and hold both the VOL up and STOP/EJECT buttons on the front panel while you plug in the TV/VCR/DVD. Release the buttons after approximately two seconds. This resets the password.
4. The *V-CHIP BLOCK* menu appears. Use the down arrow to select *DOWNLOAD* and press OK.
5. Press the down arrow to select *ON* and press OK. The new V-Chip Data will not be downloaded unless you watch a channel sending the new system data.

   Note: If you watch a channel that uses the new system, *PLEASE WAIT NOW DOWNLOADING V-CHIP DATA* appears.
6. Press TV MENU to exit.



Turning V-Chip Block On and Off

If you don't turn on the V-Chip feature, none of the settings for V-Chip Rating Limits will take effect.

1. Follow steps 1-3 above to display the V-*CHIP BLOCK* menu.
2. Use the down arrow to select *STATUS* and press OK.
3. Use the down arrow to select *STATUS ON* or *STATUS OFF* and press OK.
   - ***STATUS ON*** *V-CHIP HAS BEEN ACTIVATED* appears when you tune to a channel with a rating you have blocked. When this message appears, press the MENU button and enter the secret code to temporarily cancel the V-Chip block.
   - ***STATUS OFF*** No channels are blocked.
4. Press TV MENU to exit.

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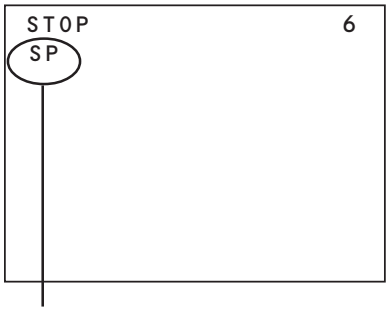
Recording Features

The VCR provides several different ways to record programs. The following pages explain how to use the types of recording features. If you're using the remote control, you must press the VCR button to put the remote control in VCR mode.



Tape speed indicator

	Recording Time	
Tape	*SP*	*EP*
T-120	*2 hours*	*6 hours*
T-160	*2 hrs 40 min*	*8 hours*

Recording Speeds

Press SPEED on the remote to select a recording speed.

- **SP** (Standard Play) gives the best quality recording; consequently, fewer programs can be recorded on the tape. Most pre-recorded, rental tapes are recorded in SP.
- **EP** (Extended Play) gives three times the recording time of tapes recorded in SP.

Recording Pause

This feature allows you to prevent recording short passages of unwanted material.

Press PAUSE during recording to temporarily stop and start recording (*STILL* appears on the screen while the tape is paused). The TV/VCR automatically switches from pause to stop after a few minutes to prevent tape wear.

Types of Recording

Your TV/VCR/DVD provides five ways to capture programming:

- **Recording** allows you to press one button to record a program.
- **One Touch Recording (OTR)** allows recording to start while a program is being watched. This feature automatically stops recording after a designated period of time.
- **Timer Recording** program the TV/VCR for a daily, weekly, or one time recording which automatically starts and stop at the times you set.
- **Copying and Editing Tapes** allows you to record from another VCR or camcorder.
- **Recording from DVD Player** allows you to record from the DVD player.

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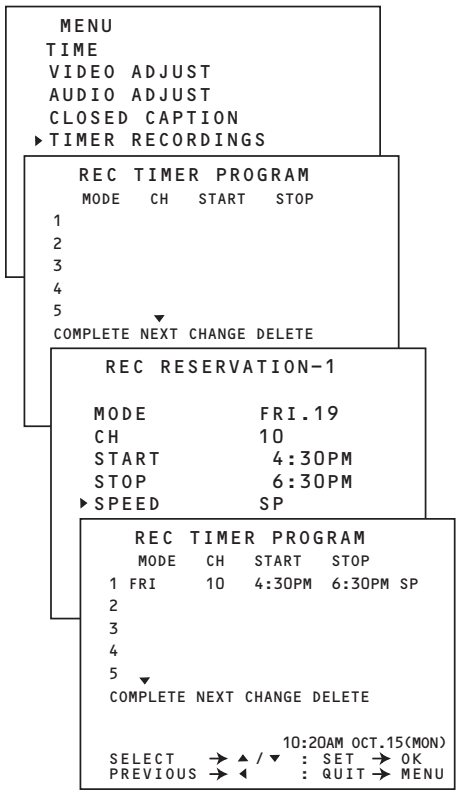
One-Touch Recording

Use OTR to quickly record the remaining portion of a program being watched. OTR is a great way to capture the end of a sporting event that has run into overtime or a live broadcast that runs long. OTR works in 15 minute increments.

1. Make sure the clock is set and insert a tape with the safety tab in place.
2. Press the VCR button and select the channel you want to record.
3. Press the SPEED-ZOOM button on the remote to select the tape speed.
4. Repeatedly press the RECORD button to begin recording. The RECORD indicator on the front panel lights.
   - Each press of RECORD adds 15 minutes of recording time. The end recording time is displayed. The VCR will turn off automatically at that time.
5. Press the STOP button to stop OTR.



Timer Recording

Timer recording allows you to program the TV/VCR to record up to five different programs. This is useful if you plan on being away from home for a long period of time. Before setting the timer, make sure that the clock is set correctly.

To set a timer recording:

1. Press TV MENU to display the main *MENU*.
2. Press the up or down arrow to select *TIMER RECORDINGS* and press OK (the *REC TIMER PROGRAM* menu appears).
3. Press the right arrow button to select *NEXT* and press OK.
4. Press the up or down arrow button to scroll through the *MODE* settings (i.e., how often: *DAILY*--every day, *MON-SAT* – Monday through Saturday, *MON-FRI*, – weekdays, a certain day of the week, or a one time recording) and press OK.
5. Press the up or down arrow button until the correct channel appears in the *CH* field, and press OK to set it.
6. Use the up or down arrow button and the OK button to enter the hour and minutes for the *START* and *STOP* time and *SPEED* (*SP* or *EP*)
7. Review the information to make sure it is correct, and press OK (the *REC TIMER PROGRAM* menu appears with the program on line one).
8. Use the up or down arrow to select *COMPLETE* if you are finished or *NEXT* if you wish to enter another program.

   The data includes the date, channel number, start and end times (including AM or PM), and speed. To correct a previous entry during a timer setting, use the left arrow to select the item you want to change, and press OK.
9. Repeat steps 4-7 for additional programs.

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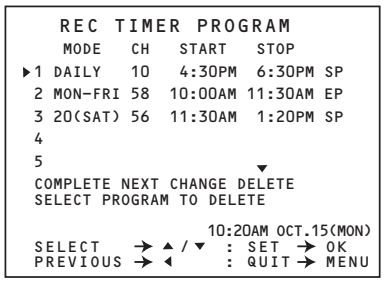
REC TIMER PROGRAM
MODE CH START STOP
▸1 DAILY 10 4:30PM 6:30PM SP
2 MON-FRI 58 10:00AM 11:30AM EP
3 20(SAT) 56 11:30AM 1:20PM SP
4
5
COMPLETE NEXT CHANGE DELETE
SELECT PROGRAM TO DELETE
10:20AM OCT.15(MON)
SELECT → ▲ / ▼ : SET → OK
PREVIOUS → ◀ : QUIT → MENU

10. Insert a tape with safety tab intact before the recording is to begin. Press the TIMER button on the remote. The PROGRAM EVENT indicator on the front panel lights when a timer recording is set.

    Note: If you turn off the TV/VCR/DVD, the PROGRAM EVENT indicator will flash if you haven't put a tape in the VCR. If you've inserted a tape with its safety tab removed, the tape is ejected.

11. For a cable box or satellite receiver, turn it on and tune it to the channel you want to record before the recording is to begin.

    Notes: To operate the TV/VCR/DVD when the PROGRAM EVENT indicator is on, press TIMER on the remote to turn off the indicator. When you are finished, be sure to insert a tape and press the TIMER button to reset the VCR.

    If two programs overlap, the end recording time of the first program will have priority over the start of the second program.

Watching TV While Timer Recording

1. Perform the steps to set a Timer Recording.
2. Press the TV button on the remote to place the TV/VCR/DVD in the TV mode.
3. Select the channel you want to watch on the TV.

Play a DVD or CD While Timer Recording

1. Perform the steps to set a Timer Recording.
2. Press the DVD button on the remote to place the TV/VCR/DVD in the DVD mode.
3. Insert the DVD or CD into the DVD player and press PLAY.

Check, Change, or Delete Timer Recordings

If the PROGRAM EVENT indicator is lit on the front panel of the TV/VCR/DVD, you must press the TIMER button on the remote to turn it off before you can change or delete a program.

1. Press MENU (the main *MENU* appears).
2. Press the up or down arrow button to select *TIMER RECORDINGS* and press OK (the *REC TIMER PROGRAM* menu appears).
   - To change a program, use the up or down arrow to select *CHANGE* and press OK. Then use the up or down arrow to select the program you want to change and re-enter the program.
   - To delete a program, use the up or down arrow to select *DELETE* and press OK. Then use the up or down arrow to select the program you want to delete and press OK.
3. After you have reviewed all of your programs, press MENU to exit.

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Copying and Editing Tapes

Use another VCR or camcorder as the playback VCR and the TV/VCR/DVD as the recording VCR.

Note: The unauthorized recording of television programs and other materials may infringe upon the rights of others.

1. Turn on the VCR or camcorder and the TV/VCR/DVD.
2. Press INPUT on the TV/VCR/DVD's remote to select the correct line input for the device you have connected (*LINE 1*--back LINE IN 1 jacks, *LINE 2*--front jacks).
3. Insert the tape you want to copy into the playback VCR or camcorder. Insert a blank tape with the safety tab intact into the VCR.
4. Start the playback VCR or camcorder playing. If the tape was not recorded on the playback VCR, streaks may appear and you may need to adjust the tracking. When you reach the place you want to begin copying, place the playback VCR or camcorder in play pause.
5. Press RECORD, then PAUSE on the TV/VCR/DVD's remote.
6. Press PAUSE on both the VCR or camcorder and the TV/VCR/DVD's remote at the same time to begin copying the tape.
7. Edit out segments that you do not want to copy by pressing PAUSE on the TV/VCR/DVD's remote to pause the tape. Then, locate the next segment you want to copy on the playback VCR or camcorder by using FORWARD, REVERSE, or PLAY. Press PAUSE on the playback VCR or camcorder. Press PAUSE at the same time on both the VCR or camcorder and the TV/VCR/DVD's remote to resume copying.
8. Press STOP on both the VCR or camcorder and the TV/VCR/DVD's remote when you are finished.

Recording from the DVD Player

You can record audio and video from the DVD player to tape.

Note: The unauthorized recording of movies and other materials may infringe upon the rights of others.

1. Press the VCR button on the remote to turn on the TV/VCR/DVD.
2. Press the INPUT button to select the *DVD* input.
3. Insert the DVD you want to copy into the DVD player and a blank tape with the safety tab intact into the VCR.
4. Press the DVD button to turn on the DVD player and place the remote in the DVD mode.
5. Press the INFO button repeatedly to turn off on-screen displays (any information displayed from the DVD player will be recorded on tape).
6. Press the PLAY button to start DVD playback.
7. Press the RECORD button to begin copying.
8. Press the STOP button when finished.

Notes: The shared DVD/VCR output jacks become VCR fixed during DVD recording.

Copy protected DVDs cannot be recorded (the image becomes distorted after pressing RECORD).

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Picture Search Options

The most basic way to search during playback is using the FORWARD or REVERSE buttons. This section contains several other options available for searching a tape.

Frame Advance

Frame advance allows you to view one-stop action frame after another during playback.

1. Press PAUSE during playback to freeze the action.
2. Press PAUSE again each time you want to view the next frame of the scene.
3. Press PLAY to return to normal playback.

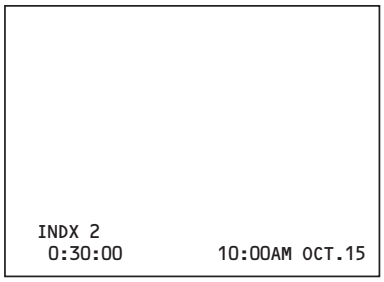
Slow Motion

Slow motion lets you play back the tape in slow motion.

1. Press SLOW on the remote during playback to start slow-motion playback.
2. If necessary, press TRACK + or –, and then press SLOW again.
3. Press PLAY to return to normal playback.

Index Search

The VCR automatically records index marks on the tape each time you begin recording. During playback you can locate the program you want to play by the number of index marks.



To Select a Specific Index Number for Index Playback

1. Insert the pre-recorded tape containing index marks and press STOP.
2. Press INDEX + once on the remote for each index number (up to 19) you want to locate forward on the tape.

   Press INDEX – once on the remote for each index number (up to 19) you want to locate in reverse on the tape.
3. When the VCR locates the index mark you selected, it begins playback. If the VCR reaches the end of the tape before the index mark is located, it cancels index playback.

   Note: When using index playback, the following index marks might be skipped by the VCR:

   - The mark closest to the current location on the tape.
   - The mark at the beginning of a recorded segment that is five minutes or less.
   - The mark at the beginning of the tape.
   - Marks on a worn or damaged tape.

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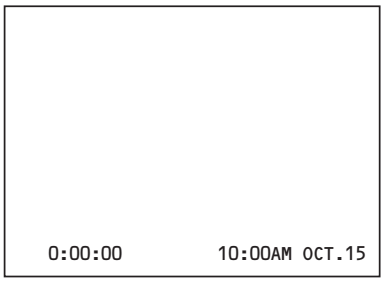
Tracking

Your TV/VCR has automatic tracking which removes streaks and "noise" from the picture. Tracking has no effect when recording – only during playback. Automatic tracking is activated when you insert a tape or turn on the TV/VCR. *TRACKING* flashes on the TV screen during automatic tracking.

Occasionally you may need to manually adjust tracking, especially if the tape was recorded on a different VCR. Press the TRACK + or – on the remote (CH + or CH– on the front of the TV/VCR) to remove streaks and noise. You can also use tracking when pausing a tape to reduce the noise of the still picture. When you use manual tracking, automatic tracking turns off.

The automatic tracking feature is restored the next time you insert a tape. If you want to turn automatic tracking back on right after you've used manual tracking, press the CH + and CH – buttons on the front of the TV/VCR at the same time.



Time Counter

The time counter shows the actual time used in recording or playing back a tape. The time counter helps locate the beginning or end of recorded events.

For example, if you record a 30–minute program at the beginning of a tape, rewind it, and then want to go to the end of the first program to start another recording:

1. Press the INFO button to display the time counter.
2. Press the CLEAR button to reset the time counter to 0:00:00.
3. Press FORWARD to advance a tape until the time counter reads 0:30:00.
4. Press STOP. This is the approximate end of a 30-minute program (you may want to press PLAY to verify). When the tape is cued correctly, you can begin recording.
5. Press the INFO button to remove the time counter from the screen.

Audio Features

The audio you select affects both tape playback and recordings. Press the SOUND button on the remote to select the type of audio you want to listen to or record. You can use the *AUDIO ADJUST* menu in the next chapter to adjust the sound.

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Reception

Some TV programs are broadcast with stereo audio or a Second Audio Program (SAP) which offers a second language. The SOUND button on the remote lets you select the type of audio you want to listen to or record. Press the SOUND button on the remote repeatedly to switch between *STEREO* or *SAP*.

- **STEREO** Used to hear/record normal or stereo broadcast TV. *ST* appears on the TV screen when stereo is being broadcast.
- **SAP** Used to hear/record a Second Audio Program. *SAP* appears on the TV screen when stereo is being broadcast. Both the SAP and main audio are recorded on the tape.

Note: The TV/VCR/DVD defaults to mono if the stereo signal is weak, too noisy, or the program isn't being broadcast in stereo (no indicator appears on the screen).

Tape Playback

The VCR records audio on both the Hi-Fi stereo and linear tracks on the tape. Hi-Fi sound is recorded on separate left and right stereo channels. Monaural sound is recorded on the linear track. SAP is recorded on the linear track and the main audio is recorded on the Hi-Fi track. To enjoy Hi-Fi sound, connect your TV/VCR/DVD to a stereo system using the audio jacks.

Press the SOUND button repeatedly to switch between *LR, L, R*, or mono (no display).

Note: Tapes recorded on a mono VCR automatically play back in linear audio.

- **LR (Hi-Fi)** Used for normal playback. Both the left and right channels play from the audio track.
- **L (Hi-Fi)** Used to hear the left channel of the Hi-Fi track played through both speakers.
- **R (Hi-Fi)** Used to hear the right channel of the Hi-Fi track played through both speakers.
- **LINEAR (No Display)** Used to play back the sound recorded on the linear monaural track, such as a Second Audio Program, or a dubbed voice-over.

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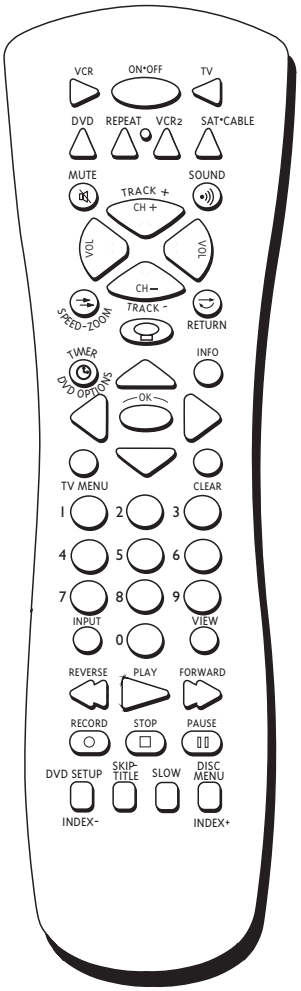
Disc Playback Features Using the Remote

You can use the remote control to activate disc playback features. Playback features aren't usually available during the opening credits of a movie. If a playback feature isn't available, the invalid symbol ⃠ appears on the screen when you press that button.



Fast Motion Playback (Picture Scan)

To scan through the disc when you're playing it, use the Picture Scan feature.

1. Press the REVERSE or FORWARD button on the remote when you're playing a disc.
2. Press the button again to scan at a faster speed. Each time you press the button, the scanning speed increases.
3. Press the PLAY button at any time to resume normal playback.

Note: You won't hear the sound (audio) on DVDs when you're using the picture-scan feature.

Freeze Frame

1. Press PAUSE when a disc is playing to freeze the picture.
2. Press PLAY to resume normal playback.

Slow-Motion Playback

While the disc is playing or in freeze-frame mode, you can use slow-motion playback.

1. While the disc is playing or paused, press SLOW on the remote.
2. Press SLOW again to increase the slow-motion playback speed.
3. Press PLAY to resume normal playback or PAUSE to return to pause.

Select a Title

Note: This feature only works if the disc contains titles.

1. Press the SKIP-TITLE button on the remote to display the title screen.
2. Select the title you want to play using the number (1-9) buttons or arrow buttons.
3. Press the OK or PLAY button to start playing the selected title.
4. Press PLAY to resume normal playback.

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Zoom

You can zoom in on the picture.

1. Press SPEED-ZOOM to zoom in on the picture. The ZOOM indicator appears on the TV screen.
2. Press SPEED-ZOOM again to increase the zoom. You can use the arrow buttons to move the zoomed area up, down, left, or right.

   Notes: The zoom indicator turns red when you cannot perform the selected zoom operation.

   When playing a pan and scan disc, only two zoom levels are available.

   The zoom image may become distorted.
3. Press SPEED-ZOOM repeatedly or press STOP to return to a normal picture.

Using the Repeat Feature

Press the REPEAT button to use the repeat feature. There are three types of repeat available on DVDs.

- Chapter – repeats the chapter that is playing
- Title – repeats the title that is playing
- A•B – Set the beginning (point A) and the end (point B) to make this part of the disc play repeatedly.

To Use Repeat:

1. While a disc is playing, press REPEAT on the remote. The (repeat icon) appears on-screen.
   - Press the REPEAT button once and press the PLAY button to repeat the chapter that is playing.
   - Press the REPEAT button twice and press the PLAY button to repeat the title that is playing.
   - Press the REPEAT button three times and press the PLAY button when you reach the start of the section you want to repeat. Press the PLAY button again when you reach the end of the section you want to repeat. The section is repeated.
2. To cancel repeat, press the STOP button or press the REPEAT button until the turns off.

   Notes: A•B repeat only operates on the same title or chapter of some discs.

   A•B does not operate on scenes where different camera angles are recorded.

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Playing Discs

Chapter Overview:

- Playing DVDs
- Playing Audio CDs
- Playing MP3 CDs

Changing Entertainment. Again.

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Playing DVDs

For basic information about loading and playing discs, go to page 20 in Chapter 1. This chapter gives you the details about the on-screen DVD Options, how to play audio CDs and MP3 discs.

Selecting a Title

Some discs contain more than one title. For example, there might be four movies on one disc (each movie might be considered a title). Each title is divided into chapters. To select a title:

1. While the disc is playing, press DVD OPTIONS.
2. If isn't highlighted, use the up or down arrow button to highlight it, and press OK.
3. Press the up or down arrow button to select the title number to which you want to skip. You can also enter the title number with the number (0-9) buttons.
4. Press OK on the remote to start playing the title you have selected.

Notes: Some discs only have one title.

You can also select a title number by pressing SKIP-TITLE on the remote and using the arrow or number buttons (0-9) to select the title you want. Press OK to start playing that title.

Selecting a Chapter

Because DVD discs use digital technology, a title can be divided into individual chapters (similar to tracks on a CD). You can skip to a specific chapter by using the Chapter feature.

1. While the disc is playing, press DVD OPTIONS.
2. If isn't highlighted, press the up or down arrow button to highlight it, and press OK.
3. Press the up or down arrow button to select the chapter number to which you want to skip. You can also enter the chapter number with the number (0-9) buttons.
4. Press OK on the remote to start playing the chapter you have selected.

Notes: The Chapter feature only works on discs formatted with separate chapters.

You can also advance to the next chapter by pressing SKIP-TITLE on the remote and go to the beginning of the chapter by pressing SKIP-TITLE twice within three seconds.

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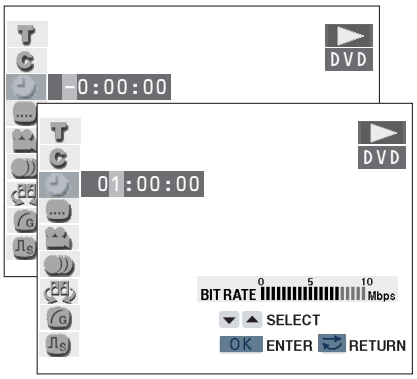
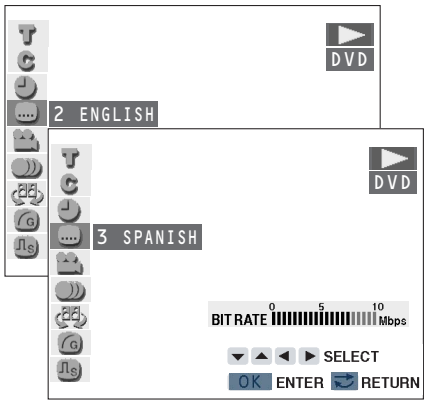


Selecting a Time Location

You can skip to a specific time on the DVD by using the Time Location Feature.

1. While the disc is playing, press DVD OPTIONS on the remote to bring up the options menu.
2. If isn't highlighted, press the up or down arrow button to highlight it, and press OK.
3. Use the number (0-9) buttons to enter the time location on the DVD you want to go to.
4. Press OK on the remote to start playing the DVD at the time location you have selected.

Note: The disc must be recorded with this feature.



Selecting Subtitles

You can turn subtitles on or off while a disc is playing:

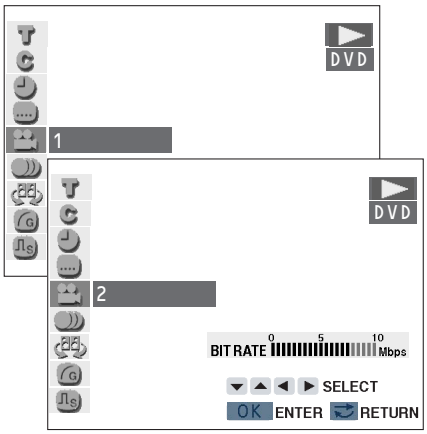
1. While the disc is playing, press DVD OPTIONS on the remote.
2. Press the up or down arrow button to highlight and press OK. If no subtitles are recorded on the disc (*XX*) is displayed.
3. Press the up or down arrow button to scroll through the subtitle languages that are available on the disc. Press OK when the language you want is highlighted.

Notes:

Changing the subtitle language with the options menu only affects the disc currently being played. When the disc is removed or the player is turned off, the subtitle language reverts to the language setting specified through the DVD player menu.

The subtitle language can also be changed through the DVD player menu.

Some discs are marked "Forced Display" and have subtitles that cannot be turned off.



Changing the Camera Angle

Some discs contain multiple angles of scenes. If a disc contains multiple angles, you can select the angle you want to use to view the scene.

1. While the disc is playing, press the DVD OPTIONS button on the remote.
2. Press the up or down arrow button to highlight and press OK. If multiple angles are not recorded on the disc (*XX*) is displayed.
3. Press the up or down arrow button to select the angle you want, and press OK.

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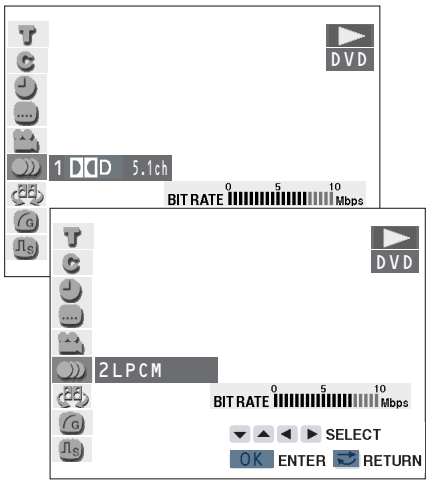


Changing the Audio

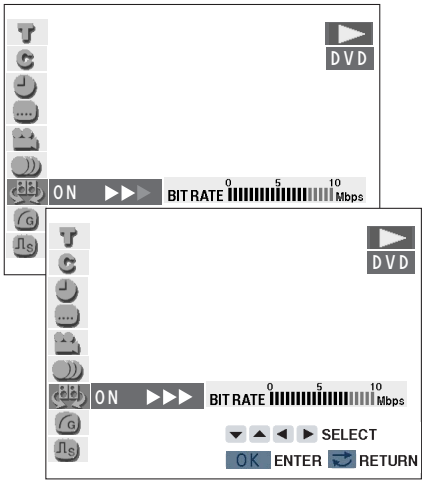
Audio is recorded in several ways on DVDs, including multi-channels (used for voice-overs in other languages), Dolby Digital (5.1ch), DTS, and Linear PCM. If you change the disc audio, make sure you also change to the same audio option within the DVD Setup Menu (details on page 62).

- Choose Dolby Digital if you connected a Dolby Digital receiver.
- Choose DTS if you connected a DTS receiver or decoder.
- Choose LCPM if you connected a PCM only decoder.

1. While the disc is playing, press the DVD OPTIONS button on the remote.
2. Press the up or down arrow button to highlight and press OK.
3. Press the up or down arrow button to select the audio you want and press OK.

Notes: The audio feature only works if the disc was created with multiple audio formats.

Some discs allow you to change the audio format from the disc menu.



Changing the Virtual Dolby (QSURROUND) Setting

You can use this feature to add a surround sound effect to the audio. This feature only works if you are using the analog LINE OUT AUDIO L and R outputs. You must turn *COMPRESSION* to *OFF* in the *AUDIO SETUP* menu to use this feature (instructions on page 62).

1. While the disc is playing, press the DVD OPTIONS button on the remote.
2. Press the up or down arrow button to highlight and press OK. If Virtual Dolby is not available, *XX* is displayed.
   - Press the up or down arrow button to toggle Virtual Dolby *ON* or *OFF*.
   - While is highlighted, press the left or right arrow button to display the *ON* icon showing the current level. Press the left or right arrow button to select the level you want, and press OK.

Note: Virtual Dolby does not work with all DVD audio formats, audio CDs, or if you are using a digital connection.

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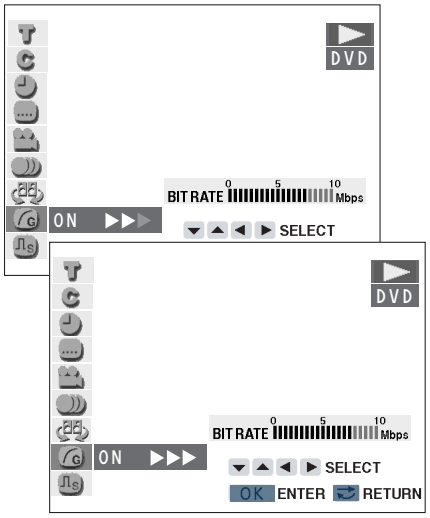
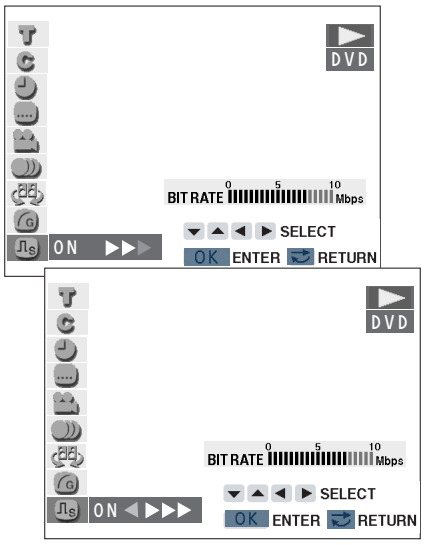


Changing the Digital Gamma Setting

You can use this feature to enhance viewing by brightening darker areas of the image.

1. While the disc is playing, press the DVD OPTIONS button on the remote.
2. Press the up or down arrow button to highlight and press OK. If digital gamma is not available (*XX*) is displayed.
   - Press the up or down arrow button to toggle Digital Gamma *ON* or *OFF*.
   - While is highlighted, press the left or right arrow button to display the *ON* icon showing the current level. Press the left or right arrow button to select the Gamma level you want, and press OK.



Changing the Digital Super Picture Setting

You can use this feature to enhance viewing by sharpening the picture.

1. While the disc is playing, press the DVD OPTIONS button on the remote.
2. Press the up or down arrow button to highlight and press OK. If digital super picture is not available (*XX*) is displayed.
   - Press the up or down arrow button to toggle Digital Super Picture *ON* or *OFF* and press OK.
   - While is highlighted, press the left or right arrow button to display the *ON* icon showing the current level. Press the right arrow button to increase the details and left arrow button to soften the image, and press OK.

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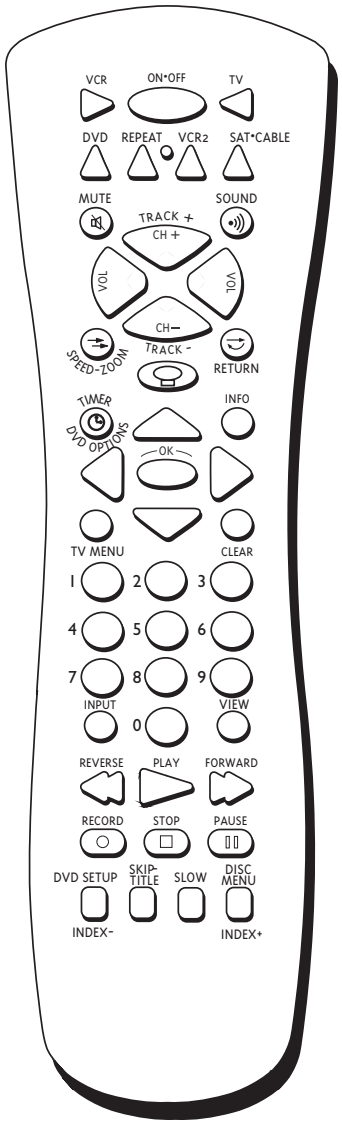
Playing Audio CDs

Your DVD player has many of the same features as an audio CD player. This section explains how to play audio CDs in your DVD player and how to use the player's features.



Disc Playback Features Using the Remote

You can use the remote control to activate disc playback features. If a playback feature isn't available, the invalid symbol ⃠ appears on the screen when you press that button.

Scan Playback

To scan through the disc when you're playing it, use the scan feature.

1. Press the REVERSE or FORWARD button on the remote when you're playing a disc.
2. Press the button again to scan at a faster speed.
3. Press the PLAY button at any time to resume normal playback.

Note: You won't hear the sound (audio) on CDs when you're using the scan feature.

Pause

1. Press the PAUSE button when a disc is playing to pause the disc.
2. Press the PLAY button to resume normal playback.

Track Advance

1. While a disc is playing, you can go forward a track at a time by pressing SKIP-TITLE on the remote.
2. Each time you press the SKIP-TITLE button, the CD advances one track.
3. Press the SKIP-TITLE button twice within three seconds to return to the beginning of the track that is playing.
4. Press the PLAY button to resume normal playback.

Using the Repeat Feature

Press the REPEAT button to use the repeat feature. There are three types of repeat available on CDs.

- Track – repeats the track that is playing
- Disc – repeats the disc that is playing
- A•B – Set the beginning (point A) and the end (point B) to make this part of the disc play repeatedly.

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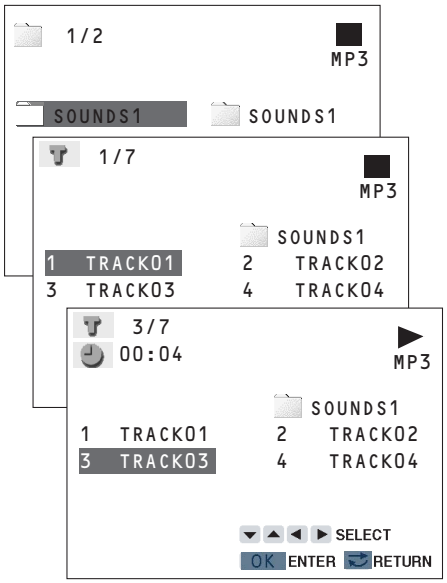
1. While a disc is playing, press REPEAT on the remote. The (repeat icon) appears on the TV screen.
   - Press the REPEAT button once and press the PLAY button to repeat the track that is playing.
   - Press the REPEAT button twice and press the PLAY button to repeat the disc that is playing.
   - Press the REPEAT button three times and press the PLAY button when you reach the start of the section you want to repeat. Press the PLAY button again when you reach the end of the section you want to repeat. The section is repeated.
2. To cancel repeat, press the STOP button or press the REPEAT button until the (repeat icon) turns off.

Note: A•B repeat only operates on the same track.

Playing MP3 Discs

MP3 files are audio data compressed in MPEG-1, layer III audio format. These files have an .mp3 extension. Your DVD player can play back MP3 audio recorded on some CD-R or CD-RW discs.

Your DVD player has many of the same features as an audio CD player. This section explains how to play MP3 CD-R or CD-RW discs in your DVD player and how to use the player's features during playback (Chapter 1 has details on loading and playing discs).



To Play an MP3 Disc

1. Press the DVD button on the remote to put the remote in DVD mode.
2. Insert the MP3 disc. The folder selection screen appears.
3. Use the arrow buttons on the remote to select the folder you want to play, and press the OK button.
   - You can also use the number buttons (1-9) to select the folder.
4. Use the arrow buttons to select the files (or tracks) you want to play, and press OK. The selected files (or tracks) play.
   - You can also use the number buttons (1-9) to select the file or track.
5. Press STOP to stop playback.

Notes:

- Some discs with the .mp3 extension have not been recorded in MP3 format and will not play or produce noise.
- Discs recorded at fast speeds may produce noise and not play. Record discs at a slower speed.
- Disc recorded on some recording equipment will not play.
- Discs with more than 1000 folders cannot be played.
- Folder or track names are limited to eight characters. The names may be shortened or changed.
- A maximum of eight layers (files and folders) is recognized.
- Only the first session of a multi-session disc is played.

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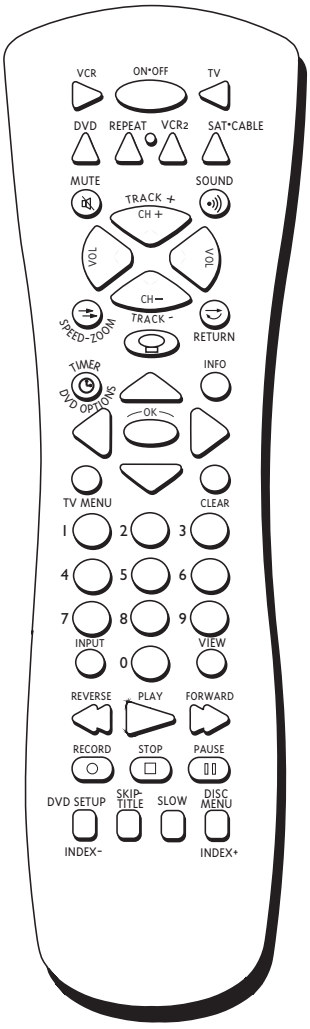
Playback Features Using the Remote

You can use the remote control to activate disc playback features. If a playback feature isn't available, the invalid symbol ⃠ appears on the screen when you press that button.



Pause

1. Press the PAUSE button when a disc is playing to pause the disc.
2. Press the PLAY button to resume normal playback.

Track (File) Advance

1. While a disc is playing, you can go forward a track (file) at a time by pressing SKIP-TITLE on the remote.
2. Each time you press the SKIP-TITLE button, the CD advances one track (file).
3. Press the SKIP-TITLE button twice within three seconds to return to the beginning of the track (file) that is playing.
4. Press the PLAY button to resume normal playback.

Using the Repeat Feature

Press the REPEAT button to use the repeat feature. There are two types of repeat available on MP3 CDs.

- Track – repeats the track (file) that is playing
- Disc – repeats the disc that is playing

To Use Repeat:

1. While a disc is playing, press REPEAT on the remote. The (repeat icon) appears on the TV screen.
   - Press the REPEAT button once and press the PLAY button to repeat the track that is playing.
   - Press the REPEAT button twice and press the PLAY button to repeat the disc that is playing.
2. To cancel repeat, press the STOP button or press the REPEAT button until the (repeat icon) turns off.

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Chapter 5

Using the Menu System

Chapter Overview:

- How to Use Your Menu System
- Time Menu
- Video Adjust Menu
- Audio Adjust Menu
- Language Menu
- Setting Closed Caption Modes
- Additional Setup Features
- DVD Menu System

Changing Entertainment. Again.

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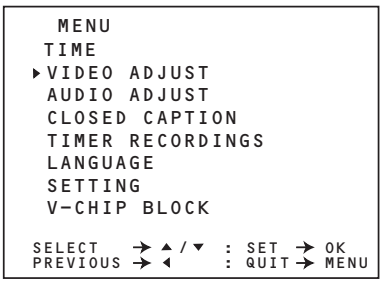
How to Use Your Menu System

The *V-CHIP BLOCK* menu and the *TIMER RECORDINGS* menu were explained in Chapter 3. This Chapter explains the rest of the menu system. Use the buttons on the remote to access the menu system and make changes to the settings. To highlight or point to an item on the screen, press the arrow buttons on the remote (the triangular icon moves). To select an item or activate a choice, press the OK button.



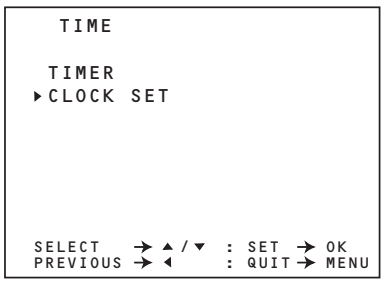
Accessing Menus

The first menu is called the main *MENU*. Press TV MENU on the remote to bring up the main *MENU*. Press TV MENU again to exit a menu.

The choices in the main *MENU* take you to a sub-menu or screen that enables you to change a setting.

Tip

Feel free to explore the menu system. The up and down arrow buttons on the remote move the triangular icons to different choices to indicate that you've highlighted an item. The OK button is used to select a choice you've highlighted. To exit the menu system, press TV MENU.



Time Menu

You must set the clock before you can use the On Timer or Sleep Timer

TIMER Displays a choice list that lets you set the On Timer or Sleep Timer.

- ***ON TIMER*** Lets you set the timer to turn the TV/VCR on automatically. You can set it to wake you up in the morning or remind you that a favorite program is about to start.
- ***SLEEP TIMER*** Lets you select the amount of time you want to give the TV/VCR before it shuts itself off.

CLOCK SET The TV/VCR has an automatic clock setting feature that automatically sets the time from an EDS (Extended Data Service) channel when the power is turned off. If there is no EDS channel or the signal is weak, the automatic clock setting may not function properly. You can turn off the automatic clock setting feature and enter the time and date manually.

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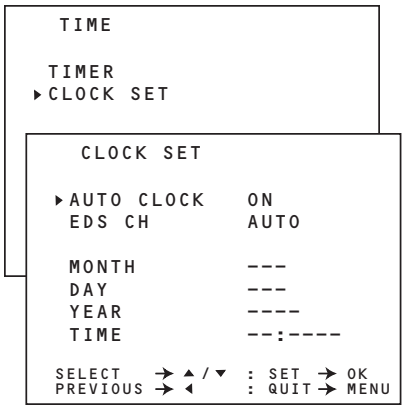
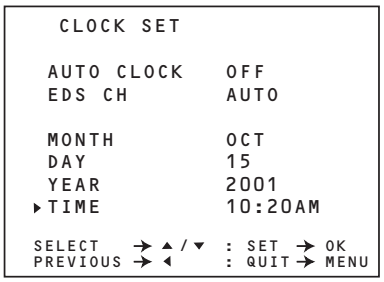




To Set the Clock:

1. Display the *TIME* menu, use the up or down arrow to select *CLOCK SET*, and press OK (the *CLOCK SET* screen appears).

- **Automatic Clock Set** Press the up or down arrow to select *AUTO CLOCK ON* and press OK.

  The triangular icon moves to *EDS CH*. If you know the EDS channel in your area, use the up and down arrows to enter the number or select *AUTO* and press OK.

  Turn off the power. The clock is set automatically using the EDS signal. It may take a few hours to set the clock.

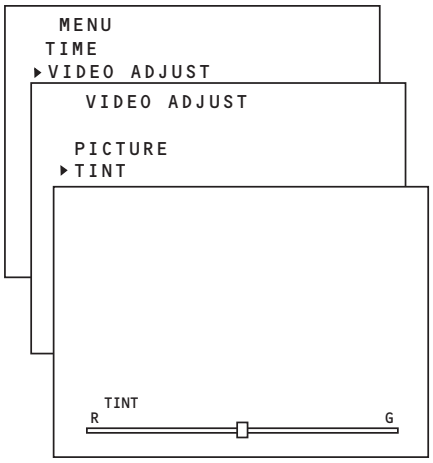
- **Manual Clock Set** Press the up or down arrow to select *AUTO CLOCK OFF* and press OK.

  The triangular icon moves to *MONTH*. Press the up or down arrow to select the *MONTH* and press OK.

  Continue using the up and down arrows and OK button to enter the *DAY*, *YEAR*, *TIME* (hour, minutes, and AM or PM).

  Note: To correct an entry, press the left arrow to return to the entry you want to correct. Press the up or down arrow to enter the correct data, and press OK.

2. Press TV MENU when you are finished. If the clock is properly set, the correct time and date appears on the screen.



Video Adjust Menu

PICTURE Adjusts the difference between the light and dark areas of the picture.

TINT Adjusts the balance between the red and green levels.

COLOR Adjusts the intensity of the color.

BRIGHTNESS Adjusts the brightness of the picture.

SHARPNESS Adjusts the sharpness of the picture.

COLOR TEMP. Adjusts the color temperature (balance between reddish whites and bluish whites). Press the right or left arrow buttons to scroll through the choices — *HIGH, LOW, ML* (medium low), and *MH* (medium high).

RESET All settings are changed to the presets used at the factory.

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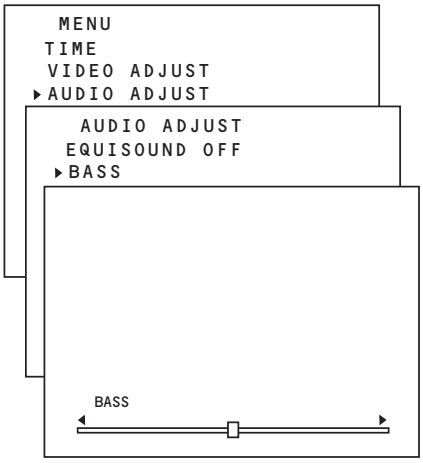


Audio Adjust Menu

EQUISOUND Displays a choice list that allows you to turn on or off the change of sound during a commercial break.

ON allows you to have the volume of the audio remain constant during program changes and commercial breaks.

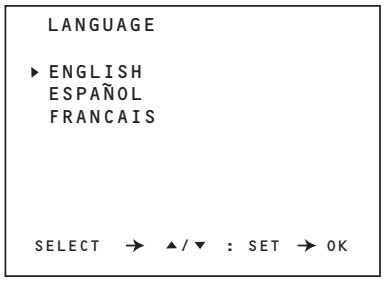
OFF allows you to have the volume of the audio change during program changes and commercial breaks.

BASS Increases or decreases the bass.

TREBLE Increases or decreases the treble.

BALANCE Press the right arrow to increase the right volume and the left arrow to increase the left volume.

RESET All audio adjustments are changed to the presets used at the factory.



Language Menu

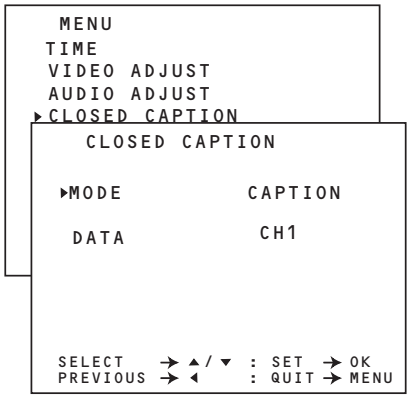
The language of the on-screen menus is set to English. If you want your TV/VCR's menus to appear in Spanish or French, follow these steps:

1. Press the down arrow button on the remote to select *ESPAÑOL* (Spanish) or *FRANCAIS* (French).
2. Press OK (the on-screen menus appear in the language you selected).

Setting Closed-Caption Modes

Closed captioning is not available on all channels at all times. Only specific programs encoded with closed-captioning information are applicable. Check your TV/VCR program listings for CC (closed caption) broadcasts.

The TV/VCR automatically enters the closed caption mode when you press *MUTE* on the remote (or turn the volume all of the way down). Press MUTE again to remove the captions.



To Set the Closed-Caption Mode:

1. From the main *MENU*, select *CLOSED CAPTION*. Press the up or down arrow buttons to select *MODE* or *DATA*, and press OK.
2. If you select *MODE*, press the up or down arrow to select *CAPTION*, *TEXT*, or *OFF*.

CAPTION Subscripts, dialogues, and commentaries appear while allowing a clear view of the screen.

TEXT Display on-screen boxes containing the text of general information not necessarily related to the program being watched.

Note: The *Text* modes cover nearly half of the picture on-screen to display the closed-captioned text. If no text is being broadcast, the screen may become dark and blank.

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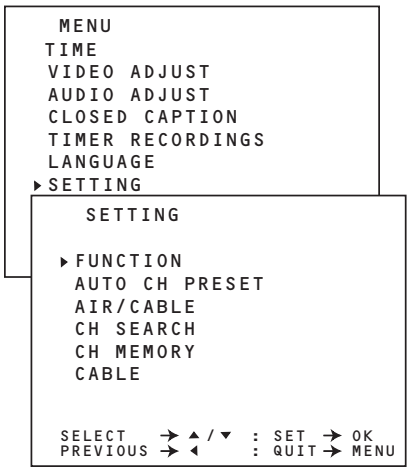
3. If you select *DATA*, press the up or down arrow to select *CH1* or *CH2*.
4. Press TV MENU to exit.



Additional Setup Features

Use the *FUNCTION* menu to set up your TV/VCR/DVD for your personal preferences. You can turn energy saving on or off, select a blue screen when there is no signal from a channel or a blank portion of tape is playing, or choose to play a tape repeatedly.

ENERGY SAVE This feature reduces the brightness of the picture, lowering the power consumption of your TV/VCR/DVD by approximately 20 percent. The *ENERGY SAVE* feature is set to *ON* at the factory.

BLUE SCREEN This feature reduces the noise and mutes sound from channels with no signal and during playback of unrecorded portions of tape. The *BLUE SCREEN* feature is set to *ON* at the factory.

REPEAT PLAY This feature tells the VCR to repeatedly play a tape from the beginning to a blank portion on the tape (*TAPE BLANK*) or the end of the tape (*TAPE END*). The VCR automatically rewinds the tape and plays it from the beginning.

The DVD Menu System

The DVD player setup menu system lets you set up features for your DVD player. These are the default features your player returns to when you stop playing a disc. The setup menu is accessed when the DVD player is stopped. This menu has five separate setup features.

- You can select a TV mode.
- You can set a limit on the type of movies that can be played.
- You can set up the audio you want to play.
- You can select a language for menus, subtitles, and audio tracks recorded on DVD discs.
- You can select a language for your DVD player's on-screen displays.

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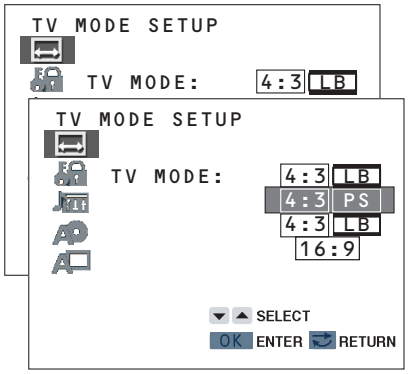

TV MODE

The *TV MODE* feature adjusts the way a movie appears on your TV. Standard TVs are 4 x 3 format. You can adjust the *TV MODE* for the way you want to watch movies.

1. Press the DVD SETUP button to display the setup menu.
2. Press the up or down arrow button to highlight the *(TV MODE* icon) and press OK to display the available modes.

4x3 PS

***4:3 PS* (Pan and Scan)–** Choose this setting if you want to the movie to fill the entire screen of your TV/VCR/DVD. This might mean that parts of the picture (the left and right edges) won't be seen.

Most discs produced in a widescreen format can't be cropped in this fashion. This means the black bars appear at the top and the bottom of the screen.

4x3 LB

***4:3 LB* (Letterbox) –** Choose this setting if you want to see movies in their original aspect ratio (height-to-width ratio). You'll see the entire frame of the movie, but it will take up a smaller portion of the screen vertically. The movie appears with black bars at the top and bottom of the screen.

16x9 Widescreen

***16: 9 Widescreen* –** If you choose this setting and you play the movie on this unit's TV, the images on the screen may appear distorted due to vertical compression. Choose this setting if for some reason you connect a widescreen TV to your TV/VCR/DVD. You must also set the widescreen TV to the full mode.

3. Press the up or down arrow button to highlight the *TV MODE* you want to watch DVDs in, and press OK.

Note: Some DVDs do not allow playback in pan and scan and automatically play the movie in letterbox.

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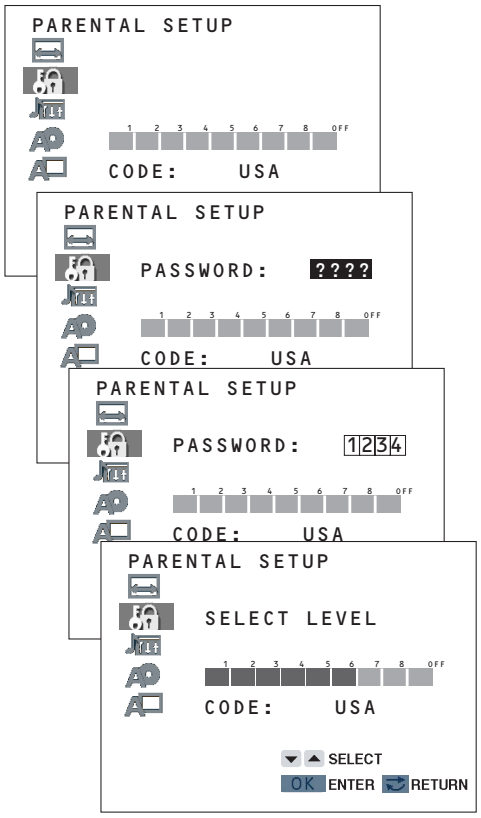
Set Parental Limits

The *PARENTAL SETUP* menu lets you set viewing limits according to a movie's rating or contents. Some discs are equipped with a rating feature that rates the disc according to the content. Some discs let you edit out scenes and replace them with scenes suitable for children. You can also set the locking feature so any discs beyond the rating you select cannot be played.



1. Press the DVD SETUP button to display the setup menu.
2. Press the up or down arrow button to highlight the (*PARENTAL SETUP* icon), and press OK to display the *PASSWORD* screen.
3. Use the number buttons (0-9) to enter a 4-digit password, and press OK. The password verification screen appears. Enter your password again, and press OK.

   Important Note: Be sure to remember your password. The next time you try to access this menu, you will have to enter the same password.

   If you forget your password, you can erase the current one by pressing the STOP button on the remote four times.
4. The ratings for the USA are listed. Press the up or down arrow button to highlight the highest level you want DVDs played.
   - Select 1 (G rating) for the most restricted viewing.
   - Select 3 for PG rating.
   - Select 4 for PG13 rating.
   - Select 6 for R rating.
   - Select 7 for NC-17 rating.
   - Select 8 for adult viewing.
5. Press the OK button on the remote to set the viewing level.

   Notes: If this feature is set to OFF, the selected rating does not apply. All discs can be viewed.

   The discs must be encoded with the rating feature.

   Some discs let you temporarily change the level setting to view original scenes, and some discs have a set level and cannot be modified.

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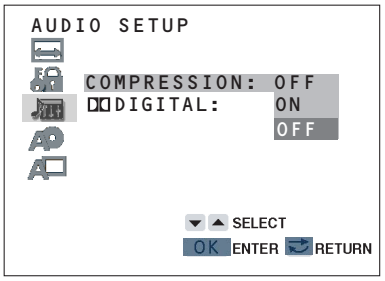
Select Audio Settings

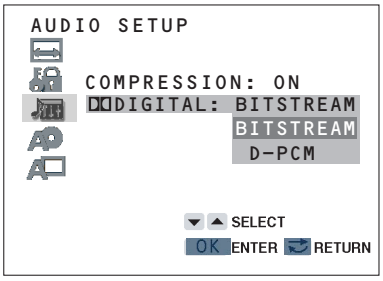
The compression feature allows you to raise (or normalize) the audio level of a DVD. You can also select the type of digital output while playing a DVD recorded in Dolby Digital (5.1ch).



Turn Compression On or Off

1. Press the DVD SETUP button to display the setup menu.
2. Press the up or down arrow button to highlight the *(AUDIO SETUP* icon), and press OK.
3. Press the up or down arrow button to highlight *COMPRESSION,* and then press OK.
4. Press the up or down arrow button to highlight *ON* or *OFF,* and then press OK.
   - Select *ON* to have the volume levels of the DVD normalized and raised. This makes the very soft sounds louder and the loud sounds softer.
   - Select *OFF* to turn compression off. Turn compression *OFF* when connected to audio equipment.
5. Press RETURN to exit and remove the *AUDIO SETUP* menu.

Note: Turning *COMPRESSION ON* automatically sets the Virtual Dolby setting to *OFF*.



Select Dolby Digital Setting

1. Press the DVD SETUP button to display the setup menu.
2. Press the up or down arrow button to highlight the *(AUDIO SETUP* icon), and press OK.
3. Press the up or down arrow button to highlight *DIGITAL,* and then press OK.
4. Press the up or down arrow button to highlight *BITSTREAM* or *D-PCM,* and then press OK.
   - Select *BITSTREAM* if you have the digital output connected to a Dolby Digital capable decoder.
   - Select *D-PCM* if you have the digital output connected to a receiver not capable of decoding Dolby Digital signals.
5. Press RETURN to exit and remove the *AUDIO SETUP* menu.

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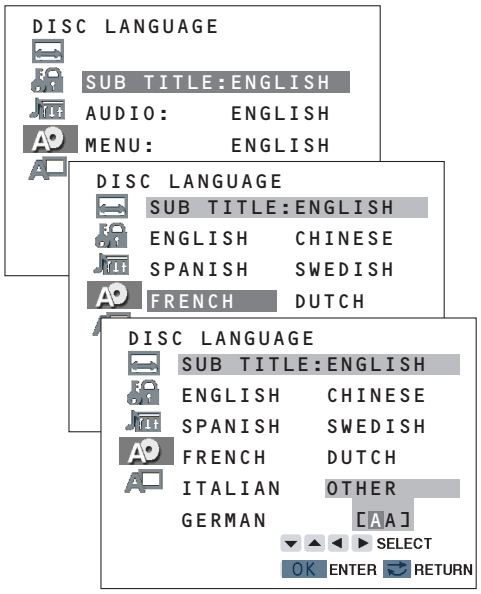
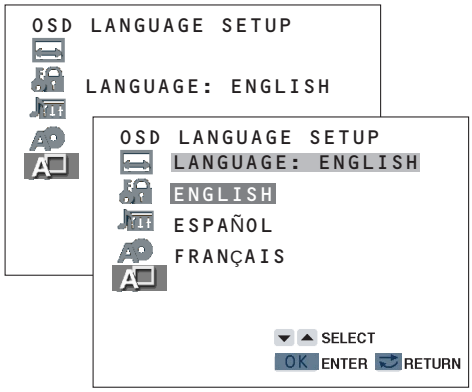


Select the Disc Language

You can change some disc's subtitle, audio, and menu languages. The DVD must be recorded with the language for it to be available.

1. Press the DVD SETUP button to display the setup menu.
2. Press the up or down arrow button to highlight the *(DISC LANGUAGE)*, and press OK.
3. Press the up or down arrow button to highlight *SUB TITLE,* and then press OK.
4. Press the up or down arrow button and left or right arrow button to highlight the desired language, and then press OK.
   - To select a language that is not listed, highlight *OTHER,* and then press OK. Press the up or down arrow button to select the first letter of the language code. Press the left or right arrow button to move to the second letter. Press the up or down arrow button to select the second letter.
5. Press OK when finished.
6. To change the language for audio tracks or disc menus, repeat steps 1-5 and highlight the appropriate choice.
7. Press RETURN to exit and remove the DISC LANGUAGE menu.



Select the On-Screen Display Language

You can change the on-screen display language.

1. Press the DVD SETUP button to display the setup menu.
2. Press the up or down arrow button to highlight the *(OSD LANGUAGE)*, and press OK.
3. Press the up or down arrow button to highlight the desired language, and then press OK.
4. Press RETURN to exit and remove the *OSD LANGUAGE* menu.

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Disc Language Codes

Code	Language Name	Code	Language Name	Code	Language Name	Code	Language Name
AA	Afar	FY	Frisian	MG	Malagasy	SL	Slovenian
AB	Abkhazian	GA	Irish	MI	Maori	SM	Samoan
AF	Afrikaans	GD	Scots Gaelic	MK	Macedonian	SN	Shona
AM	Ameharic	GL	Galician	ML	Malayalam	SO	Somali
AR	Arabic	GN	Guarani	MN	Mongolian	SQ	Albanian
AS	Assamese	GU	Gujarati	MO	Moldavian	SR	Serbian
AY	Aymara	HA	Hausa	MR	Marathi	SS	Siswat
AZ	Azerbaijani	HI	Hindi	MS	Malay	ST	Sesotho
BA	Bashkir	HR	Croatian	MT	Maltese	SU	Sundanese
BE	Byelorussian	HU	Hungarian	MY	Burmese	SV	Swedish
BG	Bulgarian	HY	Armenian	NA	Nauru	SW	Swahili
BH	Bihari	IA	Interlingua	NE	Nepali	TA	Tamil
BI	Bislama	IE	Interlingue	NL	Dutch	TE	Telugu
BN	Bengali;	IK	Inupiak	NO	Norwegian	TG	Tajik
	Bangla	IN	Indonesian	OC	Occitan	TH	Thai
BO	Tibetan	IS	Icelandic	OM	(Afan) Oromo	TI	Tigrinya
BR	Breton	IT	Italian	OR	Oriya	TK	Turkmen
CA	Catalan	IW	Hebrew	PA	Panjabi	TL	Tagalog
CO	Corsican	JA	Japanese	PL	Polish	TN	Setswana
CS	Czech	JI	Yiddish	PS	Pashto, Pushto	TO	Tonga
CY	Welsh	JW	Javanese	PT	Portuguese	TR	Turkish
DA	Danish	KA	Georgian	QU	Quechua	TS	Tsonga
DE	German	KK	Kazakh	RM	Rhaeto-	TT	Tatar
DZ	Bhutani	KL	Greenlandic		Romance	TW	Twi
EL	Greek	KM	Cambodian	RN	Kirundi	UK	Ukrainian
EN	English	KN	Kannada	RO	Romanian	UR	Urdu
EO	Esperanto	KO	Korean	RU	Russian	UZ	Uzbek
ES	Spanish	KS	Kashmiri	RW	Kinyarwanda	VI	Vietnamese
ET	Estonian	KU	Kurdish	SA	Sanskrit	VO	Volapük
EU	Basque	KY	Kirghiz	SD	Sindhi	WO	Wolof
FA	Persian	LA	Latin	SG	Sangho	XH	Xhosa
FI	Finnish	LN	Lingala	SH	Serbo-	YO	Yoruba
FJ	Fiji	LO	Laothian		Croatian	ZH	Chinese
FO	Faroese	LT	Lithuanian	SI	Singhalese	ZU	Zulu
FR	French	LV	Latvian, Lettish	SK	Slovak		

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Other Information

Chapter Overview:

- Troubleshooting
- The Front of Your TV/VCR/DVD
- Back Panel Jacks
- Care and Cleaning
- Limited Warranty
- Finding the TV/VCR/DVD's Video Line Input Channel
- Accessories
- Index

Changing Entertainment. Again.

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Troubleshooting

Most problems you encounter with your TV/VCR/DVD can be corrected by consulting the Troubleshooting list that follows.

General TV/VCR/DVD Problems

TV/VCR/DVD won't turn on

- Make sure you try the following buttons on the remote: TV, VCR, DVD, and ON•OFF.
- Something might be wrong with your remote control. Press the POWER button on the front of the TV/VCR/DVD. If the TV/VCR/DVD turns on, check the remote control solutions on page 67.
- Make sure the TV/VCR/DVD is plugged in.
- Check the wall receptacle (or extension cord) to make sure it is "live" by plugging in something else.

Controls don't work

- If you're using the remote control for TV functions (such as changing channels), press the TV button first to make sure the remote is in TV mode.
- Unplug the TV/VCR/DVD for 2 minutes and then plug it back in. Turn the TV on and try again.
- PROGRAM EVENT indicator lit on the front panel of the TV/VCR/DVD. Timer recording set. Press TIMER on the remote to turn off the indicator. Remember to press TIMER to reset the timer recording when you are finished.

TV/VCR/DVD turns off unexpectedly

- Sleep timer may have been activated. Go to page 56 for instructions.
- TV/VCR/DVD turned on with On Timer. Automatically turns off after two hours if no other control is used.
- Electronic protection circuit may have been activated because of a power surge. Wait 30 seconds and then turn the TV/VCR/DVD on again. If this happens frequently, the voltage in your house may be abnormally high or low.

TV/VCR/DVD turns on unexpectedly

- On timer (alarm) may have been activated. Go to page 56 for instructions.

Blank screen

- Try another channel.
- Check video adjustments. Go to page 57 for info about the *VIDEO ADJUST* menu.
- Make sure the line input isn't selected. Repeatedly press INPUT on the remote to switch between audio/video input jacks and the tuner.
- Make sure blank portion of tape is not playing.

No sound, picture okay

- Press the VOL up button to increase the sound.
- Maybe sound is muted. Press the MUTE button to restore sound.
- Digital Audio Output is available during DVD playback only.
- Check audio settings for TV/VCR and DVD.
- Check audio connections. Make sure the audio cables are firmly connected to the jacks.

No picture, no sound but TV is on

- Press TV on remote to put remote in TV mode.
- The channel might be empty — change channels.

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Sound okay, picture poor

- Try adjusting sharpness function to improve weak signals. Go to page 57 for instructions.
- The energy-save feature might be on. Go to page 59 for more information.
- Check antenna connections. Make sure all of the cables are firmly connected to the jacks.

Can't select certain channel

- Channel may be blocked or not approved in the *V-CHIP BLOCK* menu.

Clock is wrong

- Power interruption. Need to reset the clock. Go to page 57 for more information.
- Clock was not set accurately (check AM/PM and date). Go to page 57 for more information.

Black box appears on the screen

- Closed-captioned text mode might be selected. Check the *CLOSE CAPTION* menu. Go to page 58 for more instructions.

Closed captions not appearing on-screen

- Closed caption might not be turned on. Go to page 58 for more information.
- Station might not be broadcasting closed caption.

Information remains on-screen

- If the TV/VCR/DVD is in TV or VCR mode and you press the INFO button, you must press INFO again to clear the information.
- If you press the INFO button when you are playing a disc and the word "DVD" and/or other information remain on-screen, the TV/VCR/DVD is in TV mode. Press INFO again to clear the information. Then press DVD to put the remote control in DVD mode.

The Remote Control Doesn't Work

- You have to make sure the remote control is in the right mode — if you're using VCR features, you need to press the VCR button on the remote to put it in VCR mode. If you're using TV functions, you need to press the TV button to put the remote in TV mode.
- Something might be between the remote and the remote sensor on the component. Make sure there is a clear path.
- Maybe the remote isn't aimed directly at the TV/VCR/DVD.
- Maybe batteries in remote are weak, dead or installed incorrectly. Put new batteries in the remote.
- You might need to drain the remote's microprocessor: remove batteries and press the number 1 button for at least 60 seconds. Release the 1 button, replace the batteries, and (if necessary) program the remote again.

VCR Playback Problems

Tape plays continuously

- Repeat Play might be turned on. Go to page 59 for instructions.

Tape plays automatically

- Tape with safety tab removed starts playing automatically.

Tape won't insert or eject

- Make sure you insert the cassette with the window facing up and safety tab facing out.
- When removing a tape, make sure the TV/VCR/DVD is connected to a working outlet.
- Turn off the TV/VCR/DVD, then turn it back on before trying to insert or remove tape.

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Tape won't play or record

- If you're using the remote control, press VCR to put the remote in VCR mode before you press PLAY or RECORD.
- Make sure a videotape has been inserted.
- Eject and reinsert tape.
- The tape might be broken — try another tape.
- Check to see if the safety tab has been removed. If it has, the TV/VCR/DVD will not record.
- The TV/VCR/DVD might be in pause mode. Press PLAY on the remote to return the tape to play mode.

Time counter not working

- The time counter will not advance during unrecorded portions of tape.
- You have rewound the tape farther back than a counter reading of 0:00:00. A minus (-) will appear if this has occurred.
- OTR recording is set.

Snow or streaks in picture or no picture during tape playback

- Some snow/streaks are normal during search, pause, frame advance, and slow-motion playback.
- Check tape. It may be worn out or of poor quality.
- Might need to adjust the tracking. Go to page 42 for instructions.

TV/VCR/DVD makes noise when VCR stopped

- VCR is removing tape from heads, which is normal. The head cylinder inside the VCR continues to rotate for a few minutes after you put the VCR in stop mode.

DVD Playback Problems

DVD won't play

- Make sure disc is for Region 1 for this player.
- Make sure the correct type of disc is inserted. Go to page 20 for more information.
- Disc may be dirty. Clean disc. Go to page 73 for more information.

DVD's Disc Language different than players menu's

- Some DVD's menus may not be available in your language.

DVD playback volume lower or higher than expected

- Check compression and digital audio settings. Go to page 62 for more information.

DVD playback image is boxed in or distorted

- Verify the correct *TV MODE* setting. Go to page 60 for more information.

No Virtual Dolby (QSURROUND) effect output to the receiver

- Virtual Dolby (QSURROUND) is not available while listening to the audio through the digital output jacks.

Disc will not play

- Parental Control set. Go to page 61 for more information.

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VCR Recording Problems

PROGRAM EVENT indicator on front of TV/VCR is flashing

- There might have been a power interruption. Check the clock for time and date setting. Go to page 36 for more information.
- A timer program has been set and you turned off the TV/VCR but you haven't inserted a tape or the tape you inserted has had its safety tab removed. Go to page 38 for instructions.

Cannot record one program while watching a different program

- Make sure to press the TV button on the remote and press VIEW to switch to TV mode. Go to page 18 for details.

Timer recording didn't work

- Program entered incorrectly. Go to page 38 for instructions.
- If the TV/VCR/DVD is connected to a cable box or satellite receiver, the cable box or receiver was not turned on and tuned to correct channel at time recording was to begin.
- There might have been a power interruption. If so, the PROGRAM EVENT indicator will flash on front of the TV/VCR/DVD.
- Check to see if the TV/VCR/DVD's time and date was set correctly. Go to 57 for more information.
- Program exceeded tape's length or tape was not rewound beforehand.
- No tape in TV/VCR/DVD or tape inserted without a safety tab.
- OTR recording takes precedence over timer recording. Go to page 38 for details.

Image distorted during DVD recording

- Some DVD's are copyright protected and cannot be recorded.

Problems with V-Chip/Parental Controls for TV/VCR

The rating limits don't work

- You must turn V-Chip on. Go to the main *MENU* (press TV MENU on your remote), select *V-CHIP BLOCK*, and set *STATUS* to *ON*. Go to page 30 for instructions.

I don't remember my password and I want to unlock the TV/VCR

- If you forget your password, unplug the TV/VCR/DVD, simultaneously press and hold VOL up and STOP/EJECT buttons on the front of the TV/VCR/DVD while you plug the TV/VCR/DVD in. Hold for two seconds and release. This resets the password so you can enter a new one.

Problems with Parental Controls for DVD Player

The rating limits don't work

- You must turn Parental Control on. Go to page 61 for details.
- Some discs do not have ratings encoded.

Forgot Parental Control Password for DVD player

- If you forget your password, you can erase the current password by pressing the STOP button on the remote four times.

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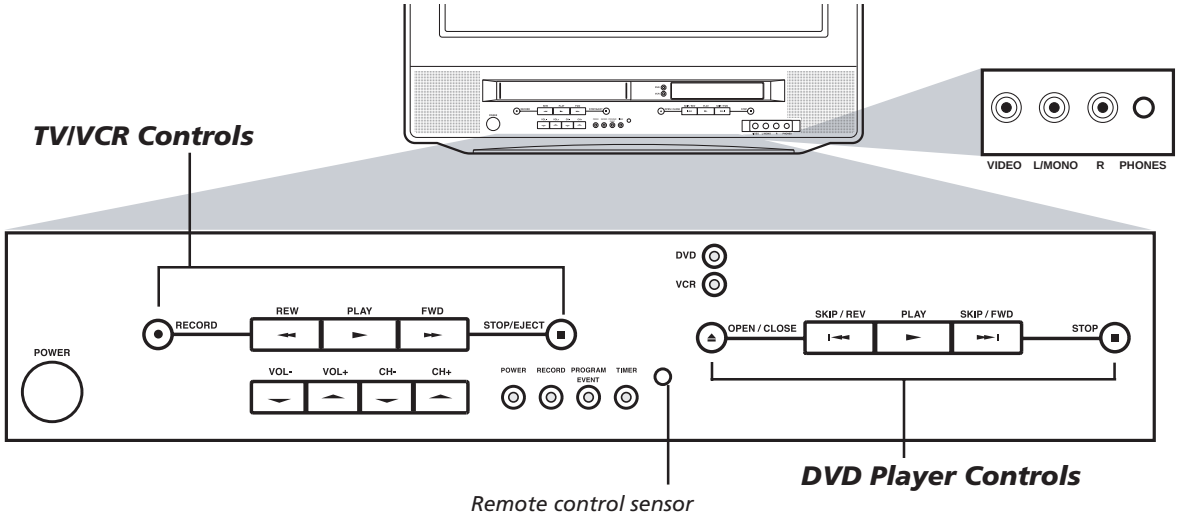
The Front of Your TV/VCR/DVD



POWER Button Turns the TV/VCR/DVD on or off.

Power Indicator Lights when the power is on.

PHONES (Headphone Jack) Connect headphones (not supplied) to this jack.

Remote Sensor Receives signals from the remote. Aim remote at this sensor with no objects between them.

VIDEO, L/MONO, and R Input Jacks Receives audio and video signals from another component, like a video gaming device or camcorder when the component is connected to these jacks. To select these front panel jacks, press INPUT on the remote until *LINE 2* appears.

VOL – or + Decreases and increases the volume.

DVD Controls

DVD Indicator Lights when the TV/VCR/DVD is in the DVD mode.

OPEN/CLOSE Press to open and close the DVD tray.

PLAY Press once to begin playback of disc. Press to resume playback when disc is paused or in slow motion.

SKIP/REV and SKIP/FWD Press SKIP/REV to search the picture backwards or SKIP/FWD to search the picture forwards during DVD playback.

STOP Stops normal DVD functions such as play, rewind, fast-forward, or pause.

TV/VCR Controls

CH + and – Scans down through the current channel list. Used for manual tracking when a tape is playing.

FWD (Forward) Fast forwards the tape when the VCR is stopped. Searches the picture forward during playback.

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PAUSE Press once to pause playback. Press again to advance one frame. Press PLAY to return to playback.

PLAY Press once to begin playback.

PROGRAM EVENT Indicator Lights when a timer program has been set and a cassette with the safety tab is in the TV/VCR. Also flashes when a timer recording has been set and the TV/VCR is turned off with no cassette inserted, a cassette without the safety tab has been inserted, or there has been a power interruption.

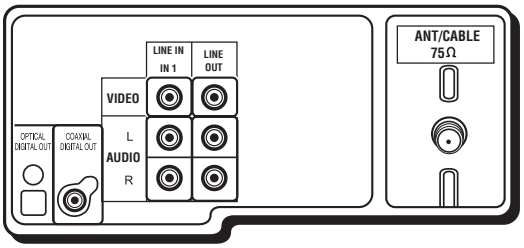
RECORD and RECORD Indicator Press to start TV/VCR recording. The RECORD indicator lights during recording.

REW (Rewind) Rewinds the tape when the TV/VCR is stopped. Searches the picture in reverse during playback.

STOP/EJECT Stops normal functions such as record, play, rewind, fast-forward, or pause. Press when a tape is stopped to eject the cassette.

TIMER Indicator Lights when the on or sleep timer has been set.

VCR Indicator Lights when the TV/VCR/DVD is in the VCR playback.



Back Panel Jacks

ANT/CABLE Jack Receives a signal from an antenna or cable system when the TV/VCR/DVD is attached with an RF cable.

LINE IN/IN 1 AUDIO (L and R) and VIDEO Jacks Receives signals from another component, such as another VCR or camcorder, when the component is connected to these jacks. To see the content coming from the component connected to these jacks, press the INPUT button on the remote until *LINE 1* appears on the screen.

LINE OUT AUDIO (L and R) and VIDEO Jacks Sends signals from the TV/VCR/DVD to another component, like a stereo amplifier or speakers when the other component is connected to these jacks. These jacks are shared between the DVD player output and VCR player output. The output is from the DVD player when the TV/VCR/DVD is in the DVD mode. The output is from the VCR player when the TV/VCR/DVD is in the VCR mode.

OPTICAL DIGITAL OUT and COAXIAL DIGITAL OUT Use a digital optical cable (not provided) or a shielded coaxial cable (not provided) to connect your TV/VCR/DVD player to a compatible Dolby Digital or DTS receiver or decoder. You must set the digital output to digital (instructions on page 62). Digital output is not available during VCR playback.

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Care and Cleaning

Maintenance of TV/VCR/DVD Cabinet

CAUTION: Turn OFF your TV/VCR/DVD before cleaning.
You can clean the TV/VCR/DVD as required, using a soft lint-free cloth. Be sure to occasionally dust the ventilation slots in the cabinet to help assure adequate ventilation.

The TV/VCR/DVD screen may be cleaned with a soft, lint-free cloth as well. Take care not to scratch or mar the screen. If necessary, you may use a cloth dampened with warm water. Never use strong cleaning agents, such as ammonia-based cleaners or abrasive powder. These types of cleaners will damage the TV/VCR/DVD.

While cleaning, do not spray liquid directly on the screen or allow liquid to run down the screen and inside the TV/VCR/DVD. Also, avoid placing drinks or vases with water on top of the TV/VCR/DVD. This could increase the risk of fire or shock hazard or damage to the TV/VCR/DVD.

Caution: Using video games or any external accessory with fixed images for extended periods of time can cause them to be permanently imprinted on the picture tube (or projection TV picture tubes). ALSO, some network/program logos, phone numbers, etc. may cause similar damage. This damage is not covered by your warranty.

Formation of Condensation

- Due to sharp changes in temperature and humidity, condensation may form if warm air comes in contact with any cold parts inside the DVD player.
- When condensation forms inside the DVD player, the player may not operate correctly. If this occurs, leave the player at room temperature until the inside of the player becomes dry and operational.
- If condensation forms on a disc, wipe the disc with a soft, dry cloth by moving the cloth from the center hole toward the outer edge.

Disc Cautions

- Don't move the player while a disc is being played. The disc may get scratched or broken, and the player's internal parts may be damaged.
- Don't put any container filled with liquid or any small metal objects on the player.
- Be careful not to put your hand into the disc tray.
- Don't place anything other than the disc in the disc tray.
- Be sure to remove the disc and turn off the player after use.

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Handling Discs

- Don't touch the disc's signal surfaces. Hold by the edges or by one edge and the hole in the center.
- Don't affix labels or adhesive tape to label surfaces. Don't scratch or damage the label.
- Do not use damaged (cracked or warped) discs.

Cleaning Discs

- Dirty discs can cause reduced video and audio performance. Always keep discs clean by wiping them gently with a soft cloth from the inner edge toward the outer perimeter.
- If a disc becomes very dirty, wet a soft cloth in water, wring it out well. Wipe the dirt away gently, and remove any water drops with a dry cloth.
- Do not use record-cleaning sprays or anti-static agents on discs. Also, never clean the discs with benzene, thinner, or other volatile solvents which may cause damage to the disc surface.

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Limited Warranty

What your warranty covers:

- Defects in material or workmanship.

For how long after your purchase:

- One year from date of purchase for labor charges.
- One year from date of purchase for parts.
- Two years from date of purchase for picture tube.

The warranty period for rental units begins with the first rental or 45 days from date of shipment to the rental firm, whichever comes first.

What we will do:

- Pay any Authorized RCA Television Service Center the labor charges to repair your TV/VCR/DVD.
- Pay any Authorized RCA Television Service Center for the new or, at our option, refurbished replacement parts and picture tubes required to repair your TV/VCR/DVD.

How you get service:

- For 20" screen size: Take your RCA TV/VCR/DVD to any Authorized RCA Television Service Center and pickup when repairs are complete.
- For screen sizes larger than 20": Request home or pick up, repair and return service from any Authorized RCA Television Service Center, provided that your TV/VCR/DVD is located within the geographic territory covered by an Authorized RCA Television Service Center. If not, you must take your TV/VCR/DVD to the Service Center location at your own expense, or pay for the cost the Service Center may charge to transport your unit to and from your home.
- To identify your nearest Authorized RCA Service Center, ask your dealer, look in the Yellow Pages, or call 1-800-336-1900.
- Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the product is within the warranty period must be presented to obtain warranty service. For rental firms, proof of first rental is also required.

What your warranty does not cover:

- Customer instruction. (Your Owner's Manual clearly describes how to install, adjust, and operate your TV/VCR/DVD. Any additional information should be obtained from your dealer).
- Installation and related adjustments.
- Signal reception problems not caused by your TV/VCR/DVD.
- Damage from misuse or neglect.
- Cleaning of audio/video heads.
- Batteries.
- Customer replacement fuses.
- Images burned onto the screen.
- A TV/VCR/DVD that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- Acts of nature, such as but not limited to lightning damage.
- A TV/VCR/DVD purchased or serviced outside the U.S.A.

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Product registration:

- Please complete and mail the Product Registration Card packed with your TV/VCR/DVD. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.

Limitation of Warranty:

- **THE WARRANTY STATED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY DISCLAIMED. NO VERBAL OR WRITTEN INFORMATION GIVEN BY THOMSON MULTIMEDIA INC., ITS AGENTS OR EMPLOYEES SHALL CREATE A GUARANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY.**
- **REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. THOMSON MULTIMEDIA INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. THIS DISCLAIMER OF WARRANTIES AND LIMITED WARRANTY ARE GOVERNED BY THE LAWS OF THE STATE OF INDIANA. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.**

How state law relates to this warranty:

- Some states do not allow the exclusion nor limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.
- This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

If you purchased your product outside the United States:

- This warranty does not apply. Contact your dealer for warranty information.

Service calls which do not involve defective materials or workmanship are not covered by this warranty. Costs of such service calls are the sole responsibility of the purchaser.

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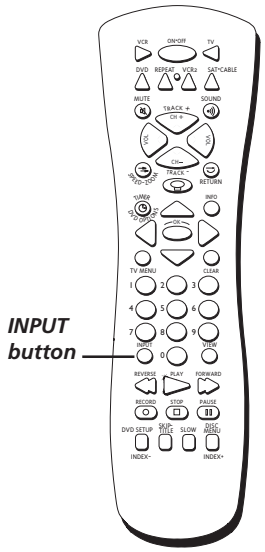
Finding the TV/VCR/DVD's Video Line Input Channel

You need to tune your TV/VCR/DVD to the video line input channel if you're using the AUDIO/VIDEO (A/V) IN jacks to connect other components (such as a cable box, another VCR, or satellite receiver).

You must select the TV/VCR/DVD's video line input channel before you can see the video and hear the audio from another component you have connected to these jacks.



To access the video line input:

- Press INPUT to select *LINE 1* to record from the LINE IN/IN1 input jacks on the back of the TV/VCR/DVD.
- Press INPUT again to select *LINE 2* to record from the VIDEO, L/MONO, and R input jacks on the front panel.

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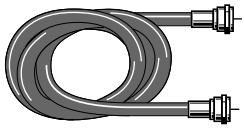
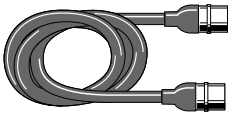
Accessories



VH81 (3-ft)

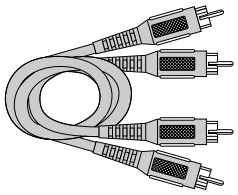
VH82 (6-ft)

Screw-on Cable *attaches to the round antenna connectors (called 75-ohm F-type) on the back of your TV/VCR/DVD. The ends screw onto the connectors for a secure connection.*



VH89 (6-ft)

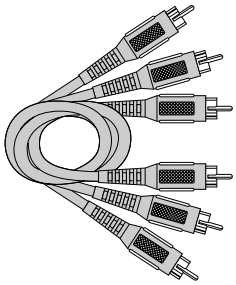
Push-on Cable *attaches to the round antenna connectors (called 75-ohm F-type) on the back of your TV/VCR/DVD. Ends push on for a quick connection.*



Gold-Tipped cable

VH83 (6-ft)

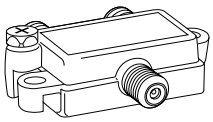
Monaural VCR Dubbing Cable *Double cable that lets you connect the video and audio jacks of two VHS VCRs to duplicate tapes. Can also be used to connect a VCR to your TV/VCR/DVD. Cable is color-coded and shielded. Has RCA-type phono plugs on each end.*



Gold-Tipped cable

VH84 (6-ft)

Stereo VCR Dubbing Cable *Triple cable that lets you connect the video and left and right audio jacks of stereo components.*



Splitter VH47

2-way Signal Splitter

Helps you connect a second TV or VCR.

Accessory Order Form

Description	Part No.	Price	Qty	
Screw-on antenna cable (3-ft)	VH81	$3.95		
Screw-on antenna cable (6-ft)	VH82	$4.95		
Push-on antenna cable (6-ft)	VH89	$5.95		
Monaural VCR Dubbing Cable (6-ft)	VH83	$5.95		
Stereo VCR Dubbing Cable (6-ft)	VH84	$9.95		
2-way Signal Splitter	VH47	$3.95		
Antenna Mixer (not shown)	193984	$11.15		
Remote Control (CRK76TXL1)	255353	$34.95		
Audio•Video Adapter (not shown)	228449	$4.45		
Optical Plug to Optical Plug (3 ft.)	DV3	$15.95		
Optical Plug to Optical Plug (6 ft.)	DV6	$19.95		
Optical Plug to Mini Plug (3 ft.)	DV3M	$15.95		
Optical Plug to Mini Plug (6 ft.)	DV6M	$19.95		
Surge Protector	SCTV160	$49.95		

Prices are subject to change without notice.

Total Merchandise ..... $ _____

Sales Tax ..... $ _____

We are required by law to collect the appropriate sales tax for each individual state, country, and locality to which the merchandise is being sent.

Shipping and Handling ..... $ 5.00

Total Amount Enclosed ..... $ _____

Use VISA, MasterCard, or Discover Card preferably.

Money order or check must be in U.S. currency only.

No COD or CASH.

Detach Here

All accessories are subject to availability.
Where applicable, we will ship a superseding model.

Please complete other side also

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Charge your order on your VISA, MasterCard, or Discover Card by filling in below

USE YOUR CREDIT CARD

IMPORTANT: Copy complete account number from your VISA card

My card expires: ☐☐ ☐☐

IMPORTANT: Copy complete account number from your MasterCard

Copy Number above your name on MasterCard ☐☐☐☐ My card expires: ☐☐ ☐☐

IMPORTANT: Copy complete account number from your Discover Card

My card expires: ☐☐ ☐☐

AUTHORIZED SIGNATURE
(Credit card order will not be processed without signature)

Print or type your name and address clearly.

A complete and correct order will save you days of waiting.

Name: _____

Street: _____

_____ Apt: _____

City: _____

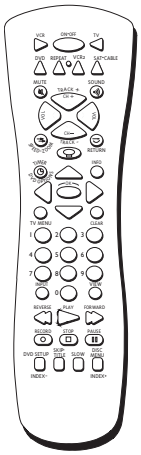
State: _____ Zip: _____

Daytime phone number: _____

Please make sure that both sides of this form have been filled out completely.

- Allow 4 weeks for delivery.
- All accessories are subject to availability.
- Prices are subject to change.

Detach Here



Remote Control

This is the remote control that came packed with your TV/VCR/DVD. Replacements or spares can be ordered as needed.

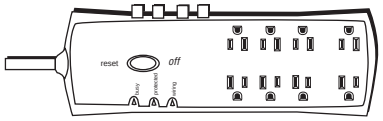
CRK76TXL1

Optical Plug to Optical Plug DV3 (3 ft.) DV6 (6 ft.)

Used to connect optical components together.

Optical Plug to Mini Plug DV3M (3 ft.) DV6M (6 ft.)

Used to connect optical components together.



Surge Protector (SCTV160)

To Order

To place your order by phone, have your Visa, MasterCard or Discover Card ready and call the toll-free number listed below.

Use this number only to place an order for accessory items listed on this order form.

1-800-338-0376

To place your order by mail, detach and mail the completed order form with credit card information, money order or check in US currency (made payable to Thomson multimedia Inc.) to the following address:

Video Accessories
PO Box 8419
Ronks, PA 17573

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